



# CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE Grand Rapids, Michigan  
49546-7140

## NOTICE OF PUBLIC MEETING VIA VIDEO CONFERENCE

The Cascade Charter Township Downtown Development Authority will conduct a regular meeting on Tuesday, June 15, 2021 at 5:30 p.m. utilizing the Zoom video conferencing platform, for the purpose of conducting official business to help prevent the spread of COVID-19. For up-to-date information regarding the ongoing public health crisis, please visit:

<http://www.Michigan.gov/coronavirus> or <http://www.CDC.gov/coronavirus>

## INSTRUCTIONS FOR ACCESS AND PARTICIPATION

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/81881149796>

Or One tap mobile :

US: +13126266799,,81881149796# or +19292056099,,81881149796#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 312 626 6799 or

+1 929 205 6099 or

+1 301 715 8592 or

+1 346 248 7799 or

+1 669 900 6833 or

+1 253 215 8782

Webinar ID: 818 8114 9796

International numbers available: <https://us02web.zoom.us/j/81881149796>

*\*\*Members of the public with disabilities may utilize the Michigan Relay System (7-1-1) to participate in the meeting. If other aids or services are needed for individuals with disabilities please contact the Township Assistant Manager, Stephanie Fast at [sfast@cascadetwp.com](mailto:sfast@cascadetwp.com) or 616-949-1500 at least 24 hours prior to the meeting\*\**

## **PUBLIC PARTICIPATION**

Members of the public will be able to listen to and view all discussion by the Downtown Development Authority and all official materials for this meeting prepared for the Downtown Development Authority will be included in the meeting packet and available to the public on the Township website at [www.cascadetwp.com](http://www.cascadetwp.com).

Individuals will be permitted to speak during public comment periods in accordance with the Township Remote Public Meeting Procedure Policy.

If you would like to contact the Township about any matter, on the agenda or otherwise, please do so via email at the addresses below a minimum of 8 hours prior to the meeting. If you wish comments to be read into the public record during the public comment period, you must indicate so and draft communication that can be read in the allotted 3-minute timeframe.

Clerk Sue Slater: [sslater@cascadetwp.com](mailto:sslater@cascadetwp.com)

Manager Ben Swayze: [bswayze@cascadetwp.com](mailto:bswayze@cascadetwp.com)

DDA Director Sandra Korhorn: [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

**AGENDA**  
Cascade Charter Township  
Downtown Development Authority Board of Directors  
June 15, 2021  
5:30 p.m.  
Virtual Meeting

- ARTICLE 1.** Call the Meeting to Order  
Record the Attendance
  
- ARTICLE 2.** Approval of the Agenda
  
- ARTICLE 3.** Approval of the Minutes of May 18, 2021 Meeting
  
- ARTICLE 4.** Acknowledge visitors and those wishing to speak *(Comments are limited to five minutes per speaker)*
  
- ARTICLE 5.** Discuss and Consider The Rapid Bus Contract – Remove from Table – Pages added 6/14/21
  
- ARTICLE 6.** Discuss and Consider Village Flowers/Plantings
  
- ARTICLE 7.** Discuss and Consider DDA Sponsorship for the Cascade Metro Cruise Warmup Event
  
- ARTICLE 8.** Discuss Meeting Location Status
  
- ARTICLE 9.** Any Other Business
  - a. Robinson Dental Brownfield Update
  - b. Strategic Plan Meeting – July 20 at 5:30 p.m.
  
- ARTICLE 10.** Adjournment

## MINUTES

Cascade Charter Township  
Downtown Development Authority Board of Directors  
May 18, 2021  
5:30 P.M.  
Virtual Meeting

**ARTICLE 1.** Chairman Puplava called the meeting to order at 5:32 P.M.  
Members Present: Lesperance, Kleyla, Stephan, Vogel, Siegle, and Puplava.  
Members Absent: Makkar, DeWitt, Growney  
Others Present: DDA Director Sandra Korhorn, and Nick Monoyios

**ARTICLE 2. Approve the current Agenda.**

**Motion was made by Member Siegle to approve the Agenda. Supported by Member Lesperance. Motion carried 6 to 0.**

**ARTICLE 3. Approval of the Minutes of April 20, 2021 Meeting**

**Motion was made by Member Siegle to approve the Minutes of the April 20, 2021 Meeting. Supported by Member Stephan. Motion carried 6 to 0.**

**ARTICLE 4. Acknowledge visitors and those wishing to speak to non-agenda items.**  
*(Comments are limited to five minutes per speaker)*

Mr. Lance Werner (Director of Kent District Libraries) stated that the KDL system values the bus service as both employees and patrons use it.

Member Siegle asked Mr. Werner approximately how many patrons and employees he thinks use the bus system regularly. Mr. Werner stated that it depends on the season, but he would say a quarter to a third of staff and patrons use the system regularly.

**ARTICLE 5. Discuss and Consider The Rapid Bus Contract**

Director Korhorn stated that the Board did approve a short-term contract with The Rapid at the April 20<sup>th</sup> DDA Meeting, which would begin May 15<sup>th</sup> of this year, and run through September 30<sup>th</sup>, 2021. Tonight, the

DDA will be considering a proposed long-term contract with The Rapid that will begin October 1, 2021 and run through September 30, 2022. Director Korhorn stated that the Township Board has stated that for this service to continue, the DDA must fund 100% of the 28<sup>th</sup> Street route.

Manager Swayze asked Nick Monoyios (representative from The Rapid) to discuss how the Rapid Board is viewing the new revenue hour service model. Mr. Monoyios stated that the contract dates will need to be revised (tentatively October 1, 2021 through May 9, 2022) as there was an amendment to the motion to entertain the contract for one year at the start of this revenue hour service relationship. This will help The Rapid evaluate and monitor impact as they are now sharing cost of the service into Cascade.

Manager Swayze asked if there is a way for the DDA Board to partner with The Rapid Board to gather all information and data possible. Mr. Monoyios stated that is possible, and will help both Boards make decisions going forward.

Chairwoman Puplava asked if The Rapid will be making a revised proposed contract for the DDA to consider. Mr. Monoyios stated that is correct. Chairwoman Puplava stated this will be added to the next DDA Agenda for consideration.

Member Stephan asked what the potential bus route will look like if the bus makes fewer stops, and if it would make sense to use a smaller bus to match Cascade ridership numbers. Mr. Monoyios stated that “on demand” service using a smaller transit van is being tested in Kentwood and Walker, and will be implemented in the new year. Mr. Monoyios stated that the cost per hour between normal vehicles and smaller ones is very nominally insignificant as the cost of the operator is the largest cost. Mr. Monoyios stated that shortening the route would mean that The Rapid will be paying for more of the service than the DDA.

Mr. Monoyios stated three available options to lessen the cost of operation. These options are to (1) reduce weekday evening service, (2) reduce weekday evening and Saturday service, and (3) to reduce weekday evening service, Saturday service, and eliminate Sunday service. Choosing any one of these options will result in a 10% to 25% cost savings.

Member Lesperance asked how shortening the route will increase cost to The Rapid. Mr. Monoyios stated that a vehicle needed to be added to the entirety of 28<sup>th</sup> Street when Cascade wanted service, and shortening the route means that the vehicle will need to sit longer (layover time) in

order to keep the incremental stop times accurate. Cascade is only charged when the vehicle is moving on a street in Cascade Township. Member Lesperance asked if stop times can be changed, Mr. Monoyios stated that would be difficult as the alignment of buses meeting at a central location is needed. Mr. Monoyios stated that this can always be considered if there is another route added in the future.

Member Siegle asked if Cascade pays for the route stops on 33<sup>rd</sup> and 36<sup>th</sup> Streets, and if so, is there a possibility of combining that route with the 28<sup>th</sup> Street one. Mr. Monoyios stated that Cascade does pay for those stops, but combining them would cause a loss where current ridership demand is on other routes.

Manager Swayze stated that the 33<sup>rd</sup> and 36<sup>th</sup> stops are already shortened to 15 stops a day that are based around shift changes of the business nearby.

Chairwoman Pupilava stated that the options Mr. Monoyios provided that would reduce stop times should be considered. Mr. Monoyios stated that this would also impact paratransit access as it covers  $\frac{3}{4}$  of a mile around route stops for individuals with special needs.

Member Lesperance stated that Cascade currently has a contract with Hope Network for individuals in Cascade with special needs.

Manager Swayze stated that prior to The Rapid having a route in Cascade, anyone that needed paratransit service used Hope Network. Now that there is Rapid service in Cascade, and rider that qualifies for Go Bus ridership living within  $\frac{3}{4}$  of a mile of a bus stop is required to use the Go Bus. Manager Swayze stated that if there is a pivot in hours for Go Bus riders, they will have access to the Hope Network service.

Chairwoman Pupilava stated that cost comparison for the Go Bus vs. Hope Network services will be helpful to see.

Member Siegle asked for confirmation that ridership means a person getting both on and off in Cascade. Mr. Monoyios stated that is correct.

Member Siegle asked if there was any explanation of a 25% decrease in ridership from 2018 to 2019. Mr. Monoyios stated that he is unsure as he does not have that information at this time, but will follow up on this.

Manager Swayze stated that two large telephone centers that were in the Township closed during 2018/2019, and that likely impacted ridership numbers.

Member Vogel stated that he believes further development in the Township may be dependent on/rely on bus service to those areas.

Discussion was held about the cost/benefit of funding this route, and how the Township Strategic Plan and Master Plan will tie into ridership.

Member Siegle states that going forward, the DDA should decide what percent of their budget they are willing to commit to the bus service. As of right now, 20% of the DDA budget is being used for The Rapid service, and Member Siegle believes that is a high percent to be committed to as there are other projects within the DDA.

Member Siegle asked if there is a certain amount of the DDA budget that needs to be spent every year per government rules, Director Korhorn stated there is not a certain amount, but the government does not like to see a bank account “built up” by captured funds.

Member Kleyla asked if larger projects that need substantial funding can be saved up for. Manager Swayze stated that in this case a resolution of commitment should be made for a project to specify what “saved” funds will be used for.

Member Siegle asked if the Township is exploring possible federal grants for a bus system. Manager Swayze stated that there are communities that have their own small bus programs, and there are federal grants available, however he would have to look into what that entails. Member Siegle stated that he was thinking along the lines of a bus system subsidy that would go to a mall from a residential community. Manager Swayze stated that around 33% of the current bus system is paid for by federal grants that The Rapid collects.

**Motion was made by Chairwoman Puplava to table The Rapid Bus contract consideration. Supported by Member Siegle. Motion carried 6 to 0.**

**ARTICLE 6. Discuss and Consider the Interlocal Agreement to Use Tax Increment Revenues for The Robinson Dental Brownfield Redevelopment Project**

Director Korhorn stated that the Brownfield Redevelopment Authority is the applicant for the EGLE brownfield grant and loan application, and this is for the cleanup of the Robinson Dental site. Director Korhorn stated that although the Brownfield Redevelopment Authority and the Township Board typically approves the majority of agreements, documents, and plans for brownfields, this interlocal agreement falls on

the DDA because it is located in the DDA district. The agreement states that the DDA is willing to give up their TIF capture for this property for the duration of the brownfield plan. The BRA will capture that money instead, and it will be used to reimburse the developer for any eligible brownfield activities which support this project. Once the developer is reimbursed, the DDA will again start to capture all incremental taxes for that property.

Director Korhorn stated that it is anticipated that this brownfield project will be initiated in 2022, and will remain active until all loans and eligible activities are paid off, which is typically no more than 15 years following the implementation of the loan.

Director Korhorn stated that the Township Attorney from Foster Swift has reviewed the interlocal agreement and sent it back with his comments and potential changes. Director Korhorn stated that she shared both the original document with the included Attorneys changes, and a clean version with the DDA for Members to review. Director Korhorn stated that this is a normal process with a brownfield project.

Chairwoman Puplava asked for clarification on what needs to be approved tonight. Director Korhorn stated that the agreement (document) needs to be approved. Chairwoman Puplava stated that there are suggestions in the Attorneys comments that seem as if the agreement is not final, or may need to be changed. Director Korhorn stated that the Township Board will be holding a public hearing on May 26<sup>th</sup> for the approval of the brownfield plan, and when that gets approved the details will need to be included in this agreement.

Member Siegle asks what the cost to the DDA will be, and where exactly this project will be located. Director Korhorn stated that this project is on "27<sup>th</sup> Street" located behind Goodwill and in front of Tanaz on a vacant piece of property. Member Siegle asked if there is typically toxic waste or some type of cleanup involved in brownfield developments. Director Korhorn stated that there are contaminants on the site that do need to be cleaned up, and that is what the grant and loan will help cover those costs.

Member Siegle asked if the grant and loan is specifically for cleanup, or if will be used for the actual building as well. Director Korhorn stated that the funds can be used for cleanup and redevelopment of the site.

Member Lesperance asked what redevelopment of the site includes. Member Kleyla stated that brownfield plans are typically very specific in what needs to be done, and that can include taking away construction

rubble, removing fill dirt, scraping to get rid of contaminants and then the replacement of clean soil. Director Korhorn stated that transportation cost, and phase 1 and 2 environmental assessments are included as well.

Member Siegle asked for clarification that reimbursement is just for cleanup fees and other related costs, not for the cost of construction. Director Korhorn confirms that is correct.

Member Lesperance asks if the DDA votes no on this agreement, will that essentially stop the entire project. Director Korhorn stated that is very possible.

Member Lesperance asks if the DDA will continue to capture TIF if the project is not developed. Director Korhorn stated that if there was not a brownfield on this property and it were developed, the DDA would capture the TIF, however when there is a brownfield project located within the DDA district, there needs to be an interlocal agreement that allows the BRA to capture TIF for the number of years that the brownfield plan is in place in order to reimburse the developer. The DDA will then begin to capture the TIF once the developer is paid off.

Member Vogel stated his opinion that since there is a developer willing to cleanup a contaminated site within the DDA that is not being utilized, he does not see a downside to approving this agreement.

**Motion was made by Chairwoman Puplava to approve the interlocal agreement subject to updates acquired upon the Township Boards approval of the brownfield plan. Supported by Member Lesperance. Motion carried 6 to 0.**

**ARTICLE 7. Discuss Plantings around New Street Lights**

Director Korhorn stated that the owner of Daylily Floral reached out to Member (Supervisor) Lesperance about the new streetlights that were placed in the DDA district along the Cascade Road corridor, and stated that she is interested in adding plantings or flowerpots to the area. The owner stated that she would come up a design and price quote if the DDA is interested in moving forward.

Chairwoman Puplava asked if the DDA will be charged by Daylily Floral for providing a quote, Director Korhorn stated that she is unsure of that at this time. Member Lesperance stated that she believes the DDA will not be charged for a quote, however the owner would like to know if there is interest in her service before moving forward with putting a quote together.

Director Korhorn stated that there are currently pots in the Village area near Cascade Road and Thornapple River Drive, near the Gathering Place, near the museum, and along Old 28<sup>th</sup> Street. These pots have irrigation installed in them for the flowers and plantings. There are also a couple of medians along Cascade Road and 28<sup>th</sup> Street that have irrigation installed in them, however the Township does not irrigate right of way areas so that should be part of this discussion.

Member Kleyla asked who tends to the existing pots and plantings, Director Korhorn stated that the Township Buildings and Grounds Crew does this.

Chairwoman Pupilava stated that it's hard to move forward with wanting a quote provided not knowing a general price range.

Director Korhorn stated that the DDA will need to look at location as they may need to get approval from the Road Commission to place pots in the right of way, or seek private easements from property owners to potentially place the pots.

Member Stephan stated concern that this is too late in the planting season to begin with this project, however he is in favor of it.

Member Lesperance asked if the DDA purchased the existing pots, Director Korhorn stated that they did. Member Lesperance asked how many pots there are, Director Korhorn stated there are 10.

Member Kleyla asked to have the owner put more detailed information together for further discussion at a future meeting.

Member Siegle added his professional opinion that these pots should be high enough so that a dog does not use the bathroom on them if they are on a walking path.

Director Korhorn stated that this is enough information for her to move forward in discussion with the owner of Daylily Floral.

#### **ARTICLE 8. Discuss and Consider Virtual or In-Person (Hybrid) Meetings**

Director Korhorn stated that nothing has changed since this was on the last agenda, so meetings can continue to be virtual, or the hybrid in-person option can be held.

Chairwoman Pupilava stated that if the transition is made to hybrid in-person and virtual, she would like to see the virtual option continued for those who wish to participate that way. Chairwoman Pupilava asked how the transition to hybrid has been going for the Township Board. Director Korhorn stated that it has been somewhat glitchy with the technology, Member Lesperance stated that it has been going well, however she does not believe that smaller Boards and Committees need to transition yet.

Director Korhorn stated that if Kent County does not extend the emergency order that expires June 30<sup>th</sup>, the DDA will have to go back to in-person meetings with a virtual option after that.

**Motion was made by Member Siegle to stay with virtual meetings through June. Supported by Member Vogel. Motion carried 6 to 0.**

**ARTICLE 9. Any Other Business**

Director Korhorn confirmed that June 15<sup>th</sup> will be the next DDA meeting.

Director Korhorn stated that new businesses have opened in the Township. Those businesses are Reva Salon (Thornapple River Drive), and EverPlay Café (in the Gathering Place strip center), The Cancer and Hematology Center has purchased a building at Tahoe and Lucerne, the old Sheldon Cleaners business is now a small IT office, the Detroit Cookie Company may be moving into the area, and a Tommys Car Wash has applied to develop where the Pizza Hut property is. Member Vogel stated that the old Babies R Us has been transitioned into a Total Wine and More business.

**ARTICLE 10. Adjournment**

**Motion was made by Member Lesperance to adjourn. Supported by Member Siegle. Motion carried 6 to 0. Meeting was adjourned at 7:03 p.m.**

Respectfully submitted,  
Rene Growney, Secretary

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## DDA MEMORANDUM

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**To:** Cascade Township DDA Board

**From:** Sandra Korhorn, DDA/Economic Development Director *SKK*

**Subject:** Discuss and Consider The Rapid Bus Contract

**Meeting Date:** June 15, 2021

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At the May 18 DDA meeting, the DDA board discussed the long-term contract for The Rapid Bus service. At that meeting, representatives from The Rapid stated that the contract dates will need to be revised (tentatively October 1, 2021 through May 9, 2022) as The Rapid board amended the motion to entertain the contract for one year at the start of this revenue hour service relationship. This will help The Rapid evaluate and monitor impact as they are now sharing cost of the service into Cascade.

The DDA board also requested additional information in an attempt to reduce the cost of the service. Again, representatives from The Rapid stated there are three available options to lessen the cost of operation. These options are to (1) reduce weekday evening service, (2) reduce weekday evening and Saturday service, and (3) to reduce weekday evening service, Saturday service, and eliminate Sunday service. Choosing any one of these options will result in a 10% to 25% cost savings.

The Township Board, at their March 24 meeting, discussed the transit service and funding of this service. In the end they voted that in order for this service to continue, the DDA must provide 100% of the funding for the 28th Street Route.

Included in the packet is some new information including the revised long-term contract, information on bus route/stops/times and a cost comparison for GO Bus vs. Hope Network as well as information provided at the previous DDA meetings (ridership information, emails (updated) from businesses regarding the bus service and the DDA Fund Forecast, a survey, a memo from Township Manager, Ben Swayze).

Staff is looking for a decision on the long-term contract for The Rapid bus service. Representatives from The Rapid will be at the meeting for questions. While the Rapid had initially asked for the DDA's decision before June 1, after the April DDA meeting, representatives from the Rapid advised that they can allow the DDA to provide a decision to The Rapid immediately following the June 15 DDA meeting.

**From:** [Ben Swayze](#)  
**To:** [Sandra](#)  
**Subject:** FW: Costs for Route 29 Options  
**Date:** Friday, June 11, 2021 11:23:33 AM

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**Benjamin Swayze**  
Township Manager  
Phone 616.949.1500  
Email [bswayze@cascadetwp.com](mailto:bswayze@cascadetwp.com)  
Web [www.cascadetwp.com](http://www.cascadetwp.com)  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

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**From:** Max Dillivan <[MDillivan@ridetherapid.org](mailto:MDillivan@ridetherapid.org)>  
**Sent:** Friday, May 28, 2021 10:41 AM  
**To:** Ben Swayze <[bswayze@cascadetwp.com](mailto:bswayze@cascadetwp.com)>  
**Cc:** Nick Monoyios <[NMonoyios@ridetherapid.org](mailto:NMonoyios@ridetherapid.org)>  
**Subject:** Costs for Route 29 Options

Good morning Ben,

We've developed and finalized costs for four (4) service options. The options are listed in descending order in terms of level of service. Please keep in mind costs included below reflect a service period from October 1, 2021 through May 9, 2022.

Option	Description	General Service Parameters	Contract Cost
1	Current service	Wkdy: 30-min all day; Sat: 60-min AM, 30-min midday, 60-min PM; Sun: 60-min	\$151,274.89
2	Reduced weekday evening	Wkdy: 30-min until 7pm, 60-min after 7pm; Sat: same as above; Sun: same as above	\$137,388.41
3	Reduced weekday evening & Saturday	Wkdy: Same as above; Sat: 60-min all day; Sun: same as above	\$131,331.61
4	Reduced weekday evening & Saturday, no Sunday	Wkdy: Same as above; Sat: same as above; Sun: no service	\$121,640.73

For reference, if the contract costs were annualized (through September 30, 2022), costs would be as follows:

Option	Annualized Cost
1	\$250,659.41
2	\$227,634.73
3	\$217,540.07
4	\$201,792.39

Option 1 costs differ slightly from what was provided previously to reflect additional trips added to Route 28 for our Summer 2021 service earlier this month as we incrementally work toward restoring our span of service to pre-pandemic service levels.

Happy to further explain or clarify anything you need. Nick and/or I will be available for the upcoming DDA Board meeting.

Have a great holiday weekend!

**Maxwell Dillivan, AICP**

Senior Planner

[The Rapid](#)

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P: 616.774.1159

**AGREEMENT BETWEEN**  
**THE INTERURBAN TRANSIT PARTNERSHIP**  
**AND**  
**CASCADE CHARTER TOWNSHIP**  
**FOR LINEHAUL AND PARATRANSIT SERVICES on 28<sup>th</sup> Street**

Agreement made by and between Cascade Charter Township, hereinafter called the "Township", and the Interurban Transit Partnership, hereinafter called "ITP", with offices at 300 Ellsworth Ave., S.W., Grand Rapids, MI, 49503.

**ARTICLE I – RECITALS**

1. Whereas, ITP provides regular bus service over established routes during published hours and at published frequencies, and
2. Whereas, ITP has the capability of expanding its bus service, particularly service in the Township area, and
3. Whereas, the use of ITP bus service is advantageous for Township residents.

Now, therefore, be it resolved that the Township wishes to encourage the use of ITP bus service by Township residents. The responsibilities of the Township and ITP in the execution of this resolve are set forth below.

**ARTICLE II – RESPONSIBILITIES OF ITP**

1. ITP shall provide bus service to the Township. The route(s) will be developed in agreement with both ITP and the Township. Passenger fares charged for both linehaul and paratransit service shall be those currently adopted by the ITP Board. ITP shall retain all passenger fare revenue.
2. ITP shall provide paratransit service pursuant to the requirements of the Americans with Disabilities Act. All equipment used in providing service to the Township shall be accessible to persons with disabilities. The ADA requires paratransit service be provided to those with a physical or mental disability who are prevented from utilizing linehaul. The paratransit service shall be provided during the same days and hours of operation of the linehaul service, and shall be provided to those whose trips begin or end within the

¾ mile corridor either side of the linehaul service within the township. ITP shall perform all certifications necessary to determine paratransit eligibility.

3. Liability and Risk

- A. ITP shall provide for a Certificate of Insurance to be issued naming the Township as an additional insured. This insurance certificate shall be supplied prior to the start of service. ITP agrees to maintain such insurance for the duration of the project or the term for which services will be rendered.
- Workmen’s Compensation (including occupational disease) under the terms of the Michigan Workmen’s Compensation Act.
  - General Liability: \$3,000,000 ultimate net loss each occurrence.
  - Automobile Liability: \$3,000,000 ultimate net loss each occurrence.
- B. In addition to the above insurance provision, ITP shall indemnify and hold harmless the Township and Township agents, servants, and employees against all loss, damages, legal expenses, and other expenses which they may sustain or become liable for on account of injury to or death of persons, or on account of damage to or destruction of property resulting from any accident resulting from activities conducted by ITP pursuant to this Agreement.

**ARTICLE III – RESPONSIBILITIES OF THE TOWNSHIP**

For linehaul and paratransit service:

Actual linehaul and paratransit costs per hour, less Michigan Department of Transportation Operating Assistance, which shall be 31.0% of expenses for FY 2022. For purposes of calculating this cost, the Township shall pay for all hours of service that buses are in revenue service within the Township’s boundaries.

The cost per hour to the Township, after MDOT assistance, is as follows:

\$75.71 per revenue hour

**ARTICLE IV – MARKETING AND INFORMATION**

ITP shall provide all materials, schedules, and maps necessary to promote the service.

**ARTICLE V – TERM OF AGREEMENT**

1. This Agreement shall be effective starting October 1, 2021 through September 30, 2022. The Township shall make its intentions to ITP for renewal of the agreement on or before June 1, 2021 for Fall 2021 service, on or before October 15, 2021 for Winter 2022 service, and March 1, 2022 for Summer 2022 service. The hourly rates shall be adjusted annually based upon inflationary increases in operating expenses, a decrease in local or State revenues to ITP, or a change in the service levels provided to the Township.
2. This Agreement may be terminated by either party with a minimum three -month prior written notification to the other party.
3. If at any time during the term of this Agreement, either party shall fail to satisfactorily meet the provisions of this Agreement, the dissatisfied party shall so advise the other party by registered mail, indicating in specific detail the nature and basis of its dissatisfaction. If the complaint is based on reasonable cause, the party to whom the complaint is addressed shall have an opportunity to correct the situation giving rise to the complaint within forty-five (45) days written notice by registered mail.

**ARTICLE VI – ADDITIONAL CONDITIONS**

1. ITP shall install all bus stops within the Township service area at its expense.
2. Service shall only be offered on days which the ITP linehaul operates, the hours of service shall be mutually agreed upon and made part of this agreement as attachment "A".
3. Additional services may be provided as permitted under Federal Transit Administration charter regulations. Under these guidelines, the service must be advertised and open to the general public. ITP must control the route and determine the fares to be charged. Any trips which do not meet these criteria, as determined by ITP, must first be offered to the private sector. The cost for any charter work shall be at ITP’s current charter rate.

The Agreement is dated the 16<sup>th</sup> day of April, A.D., 2021.

INTERURBAN TRANSIT  
PARTNERSHIP

CASCADE CHARTER TOWNSHIP

By: *Deborah Frato*  
Chief Executive Officer

By: \_\_\_\_\_  
Appointing Officer

Attest: *Julie Ilbrink*

Attest: \_\_\_\_\_

# ATTACHMENT A

## FY 2022 Fixed-Route Services in Cascade Township – 28<sup>th</sup> Street October 1, 2021 – September 30, 2022

### Route Description:

East on 28<sup>th</sup> Street, south on Cascade Road, west on Old 28<sup>th</sup> Street, west on 28<sup>th</sup> Street, north on Kraft, west on 28<sup>th</sup> Street past Patterson Avenue.

### Frequency of Service:

**Weekdays:** Every 30-minutes  
**Saturdays:** Every 30-minutes mid-day peak  
Every 60-minutes off-peak  
**Sundays:** Every 60 minutes

### Hours of Service

**Weekday:** 6:00 AM – 10:30 PM  
**Saturday Peak:** 9:00 AM – 5:30 PM  
**Saturday Off-Peak:** 7:00 AM – 9:00 AM  
5:30 PM – 10:30 PM  
**Sunday:** 7:00 AM – 7:00 PM



Figure 1 - FY 2022 Route 29 Alignments in Cascade Township

### Operating Days

**Weekdays:** 257  
**Saturdays:** 50  
**Sundays:** 52

### Cost of Service

**Billable Hours:** 3,225.12  
**Contract Rate:** \$75.71  
**Total Cost:** \$244,173.58



# CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE, Grand Rapids, Michigan 49546

**Date:** June 14, 2021  
**To:** Downtown Development Authority Board  
**From:** Benjamin Swayze – Cascade Township Manager  
**Subject:** Go!Bus vs. Hope Network

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You have requested some information regarding the two services available in Cascade Township for qualified residents to receive specialized transportation services.

## Go!Bus

The Go! Bus provides ADA paratransit service to all eligible residents that live within a  $\frac{3}{4}$  mile radius of the fixed route service in the Township. Besides being available to all ADA eligible riders, it is available to all seniors aged 65 and older for an additional fee. Riders are able to travel anywhere in the Go!Bus service area.

Go!Bus is made available as part of the contract service with the Interurban Transportation Authority (ITP) with no additional cost to the Township. For 4<sup>th</sup> Quarter 2020 our ridership was:

*October 2020 – 80 riders*  
*November 2020 – 81 riders*  
*December 2020 – 60 riders*

As a matter of policy, riders are eligible for the Go!Bus are required to utilize Go!Bus as their primary service. However, there are instances when residents living in the Go!Bus services area are allowed to utilize the Hope Network service. This happens primarily when they want to go to a place located outside of the Go!Bus service area (i.e. doctors office on Beltline in Grand Rapids Township).

## Hope Network

The Hope Network provides ADA paratransit service to all eligible residents of the Township, including any resident aged 60 and older. The Hope Network is the primary service for those eligible residents living further than  $\frac{3}{4}$  of a mile from the Rapid line-haul service, and the secondary service for those living within  $\frac{3}{4}$  mile.

The Hope Network service is primarily funded through Kent County CDBG dollars. There is a county wide pool of funding (approximately \$140,000) available to fund rides at a cost of \$18.15 per ride, up to 20 rides per individual per month. The Township pays \$1 per ride for those first 20 rides. Any ride past 20 per month is funded by the Township at \$18.15 per ride.

This funding model was adopted beginning July 2019. Before a full year of service could be reviewed the COVID-19 pandemic hit. Because of the reduction in rides needed due to the

pandemic, the CDBG funding did not run out. If the service continues to rise in popularity decisions may need to be made regarding funding, including a possible further reduction in the number of rides funded through CDBG funding. This may cause an increase in costs to the Township or require a policy change in regards to the amount of rides the Township may fund.

Hope Network ridership has been affected significantly by the Covid-19 pandemic, but this is the data from the most recent ridership reports:

***March 2021:***                    *67 CDBG Funded Trips (\$67.00)*  
    *24 Township Funded Trips (\$435.60)*

***April 2021:***                    *72 CDBG Funded Trips (\$72.00)*  
    *48 Township Funded Trips (\$871.20)*

Further reports on individual ridership (both Go!Bus and Hope Network) are available to review. However, because they contain sensitive personal information, they are not being included as a general part of this report.

**From:** [Sandra](#)  
**To:** [Sandra](#)  
**Subject:** FW: Discussion Follow-up Items  
**Date:** Friday, April 16, 2021 12:51:30 PM  
**Attachments:** [image001.png](#)  
[FY 2021 Q2.xlsx](#)  
[Cascade timeline.pdf](#)  
[Cascade Township Route 29 2022 Contract Rapid signed.pdf](#)  
[Cascade Township Route 27 2022 Contract Rapid signed.pdf](#)

**From:** Max Dillivan <[MDillivan@ridetherapid.org](mailto:MDillivan@ridetherapid.org)>  
**Sent:** Friday, April 16, 2021 11:25 AM  
**To:** Ben Swayze <[bswayze@cascadetwp.com](mailto:bswayze@cascadetwp.com)>  
**Cc:** Nick Monoyios <[NMonoyios@ridetherapid.org](mailto:NMonoyios@ridetherapid.org)>  
**Subject:** Discussion Follow-up Items

Hi Ben,

Thanks again to you, Jennifer, Grace, and Sandra for taking time out of their day to discuss transit service in Cascade. Please forward to this on to anyone as you see fit.

Below are the follow-up items we've promised you:

**Timeline**

The PDF attached to this email provides a visual timeline of where we stand today in relation to targeted dates for the ITP to receive Cascade Township's intentions for future service provision. Target dates for upcoming service periods have been added to the attached contracts as well. Contracts are discussed in greater detail at the end of this email.

**Cost Comparison – Route 28**

Below is a table comparing the current informal billing arrangement to the proposed contract terms as offered by The Rapid on February 26, 2021 for the remainder of ITP's fiscal year (until September 30, 2021). Please note the following:

1. Each of the total costs below have been annualized indicating what a hypothetical total annual cost would result in. These totals do not reflect previous billing practices but instead are provided to demonstrate the discrepancy between each arrangement. Each arrangement type is annualized based on a "typical" year with 255 weekdays, 52 Saturdays, and 52 Sundays.
2. The 'Current Arrangement' includes the ITP township hourly billing rate of \$68.48 from ITP's FY20.
3. The 'Former Full Bus Arrangement' and 'Proposed Contract Terms' include ITP's current FY21 township hourly billing rate of \$76.75.

	<b>Current Arrangement</b>	<b>Former Full Bus Arrangement</b>	<b>Proposed Contract Terms</b>
Revenue hours	5,526.00	5,526.00	3,220.75
Contract rate	\$68.48*	\$76.75*	\$76.75
<b>TOTAL ANNUAL COST</b>	<b>\$344,490</b>	<b>\$393,432</b>	<b>\$247,193</b>

*\* Half of the hourly cost is applied during 60-minute frequency periods to provide a savings to Cascade Township when Route 28 is not operating at 30-minute service*

**Township Contract Rate Relationship to MDOT State Operating Assistance**

MDOT reimburses our agency for a certain percentage of our annual operating expenses. Typically, this amount is approximately 33% but has since reduced to around 30% due to the pandemic. Operating expenses are determined by CPA-audited financial statements and include administrative costs, operation costs (e.g., driver wages, fuel), and maintenance costs (e.g., parts and labor to keep vehicles in state of good repair). A breakdown of the composition of the annual township hourly contract rate can be found in the following section in this email. Operating expenses will vary based on the amount of service hours we operate.

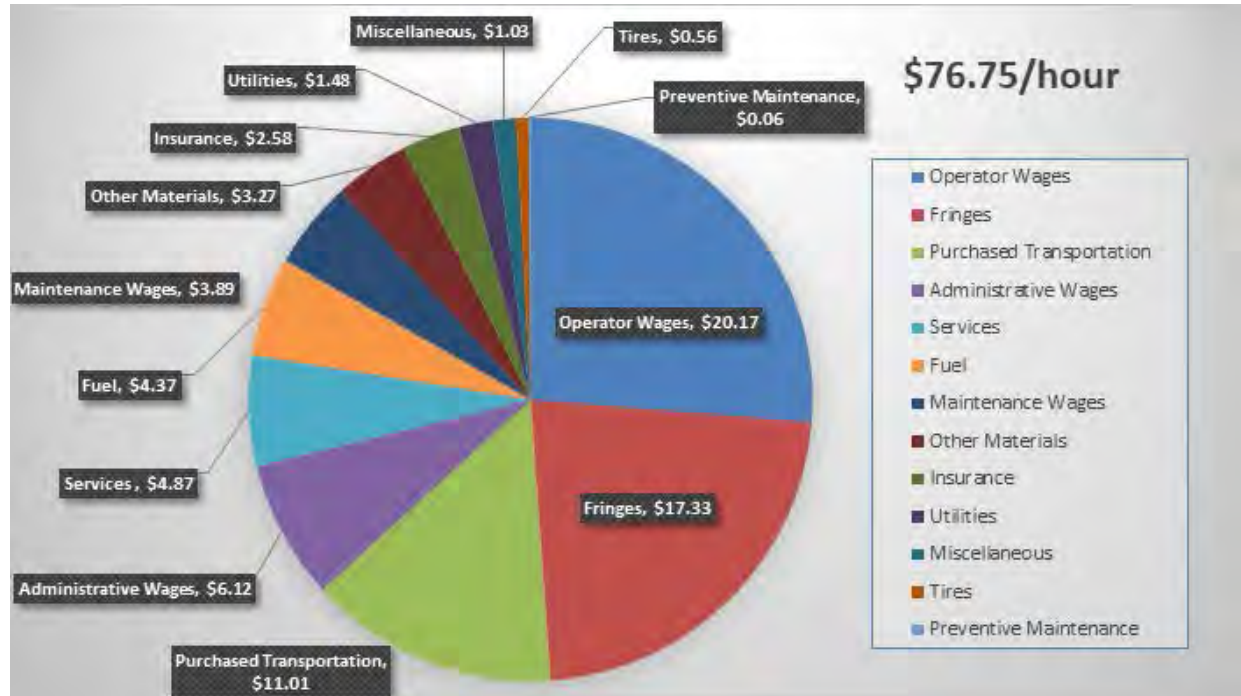
Since the onset of the pandemic, we have seen a reduction in the total number of service hours our agency is operating. Several routes in our system have been suspended until further notice which have significantly reduced the total amount.

These routes include contracted services with other partners, such as Spectrum Health, the City of Grand Rapids, Grand Rapid Community College, and Grand Valley State University; most all ITP-funded services remain fully intact. However, the total number of service hours for Route 28 and Route 5 in Cascade Township has not changed and therefore constitutes a greater percentage of our overall operations.

All of ITP's township partners are provided the same hourly rate year-over-year, and no single partner is solely footing the bill for the reductions in our operations system-wide.

**Breakdown of ITP's Township Contract Rate**

Below is the chart we presented to you during our call on Wednesday. Operator wages and fringes (i.e., benefits, which include common insurance coverages such as health care, dental, vision, etc.) comprises near half the cost to operate our service. Purchased transportation represents the legally required ADA paratransit (i.e., GO!Bus) service which is contracted and operated through a local private company, MV Transportation.



**Ridership**

The latest quarterly ridership update is attached. If any additional information is needed, I would be happy to provide.

**Fiscal Year 2022 Proposed Contract**

Attached are two contracts signed by our CEO for our FY22 (October 1, 2021 – September 30, 2022). The contract includes the "revenue hours" billing model as approved by the ITP Board earlier this year and our updated township hourly contract rate of \$75.71 per hour. You will notice the route numbers have changed as we expect to implement our COA in August of this year. As we've discussed previously, Route 28 east of Woodland Mall will become Route 29, and the Route 5 extension will be consolidated with Route 17 to become Route 27. Service levels, hours of service, number of trips, etc. are all unaffected by the implementation of the COA.

Thanks once again for providing the opportunity to engage in an open dialogue with the Township. Please do not hesitate to reach out with any questions you may have.

**Maxwell Dillivan, AICP**

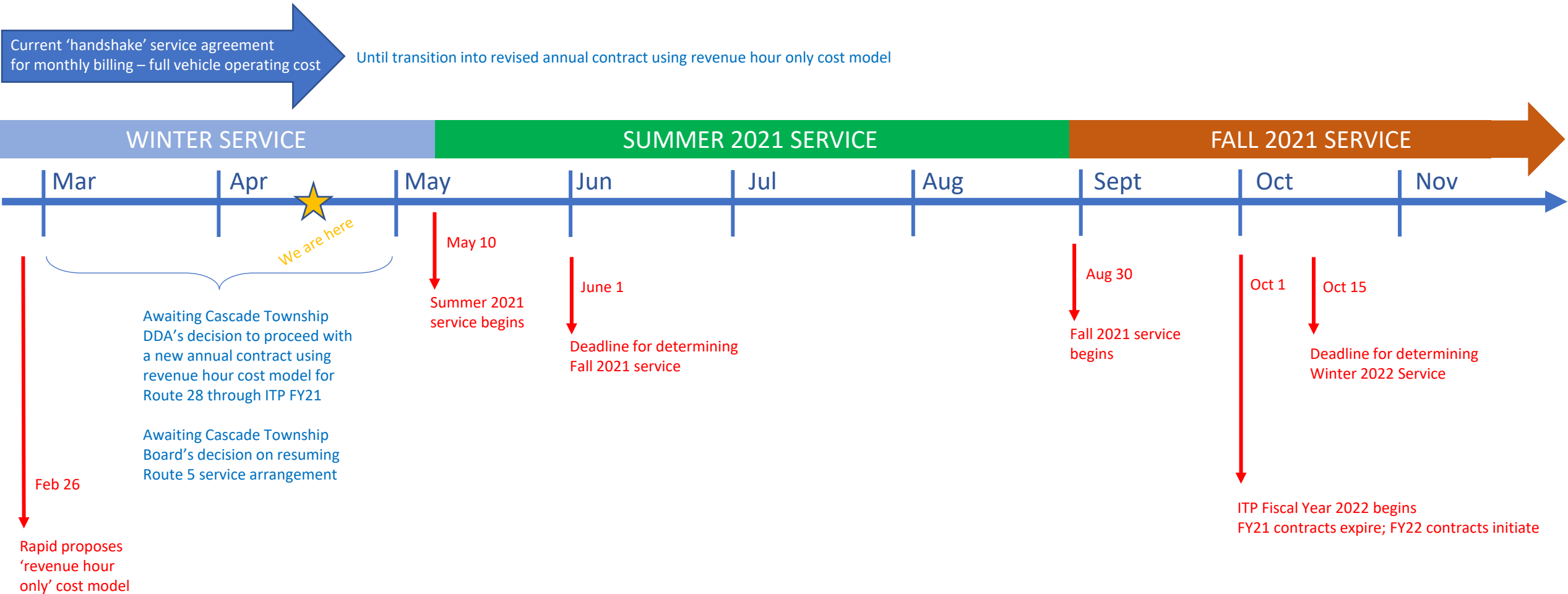
Senior Planner

[The Rapid](#)

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P: 616.774.1159

# Cascade Township – Service Agreement Timeline



# CASCADE CHARTER TOWNSHIP - DDA FUND

## 10-YEAR FORECAST (2021 - 2030)

05/14/2021

GL NUMBER	DESCRIPTION	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Notes
<b>REVENUES</b>													
248-000-401-401	TAXES - CASCADE TOWNSHIP	289,975	311,182	317,406	323,754	330,229	336,833	343,570	350,441	357,450	364,599	371,891	Assumes 2% Annual Increase
248-000-401-402	TAXES - G.R.C.C.	157,548	159,934	163,133	166,395	169,723	173,118	176,580	180,112	183,714	187,388	191,136	Assumes 2% Annual Increase
248-000-401-403	TAXES-KENT COUNTY	543,393	559,777	570,973	582,392	594,040	605,921	618,039	630,400	643,008	655,868	668,985	Assumes 2% Annual Increase
248-000-401-406	KDL TAXES-DDA	106,039	113,574	115,845	118,162	120,526	122,936	125,395	127,903	130,461	133,070	135,731	Assumes 2% Annual Increase
248-000-665-000	INTEREST REVENUE	24,722	15,000	11,457	15,985	20,764	25,608	30,552	35,391	40,290	45,282	50,330	0.75% of Fund Balance
248-000-667-001	RENT - TUFFY	71,835	69,122	70,504	71,915	73,353	74,820	76,316	77,843	79,399	80,987	82,607	Assumes 2% Annual Increase
248-000-671-671	MISCELLANEOUS INCOME	8,111											Typically Insurance Proceeds
248-000-675-300	METRO CRUISE DONATIONS	0	5,000	5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000	Flat Amount
<b>TOTAL REVENUES</b>		<b>1,201,623</b>	<b>1,233,589</b>	<b>1,254,318</b>	<b>1,283,603</b>	<b>1,313,635</b>	<b>1,344,236</b>	<b>1,376,452</b>	<b>1,408,090</b>	<b>1,440,322</b>	<b>1,473,195</b>	<b>1,506,681</b>	
<b>EXPENDITURES</b>													
248-170-723-000	DDA - MEMBERSHIP AND DUES	1,569	1,220	1,281	1,345	1,412	1,483	1,557	1,635	1,717	1,802	1,893	Assumes 5% Annual Increase
248-170-724-000	DDA - EDUCATION	500	2,000	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,500	2,500	Flat Amount
248-170-787-000	MISCELLANEOUS	11,786	7,000	7,000	7,000	7,000	7,000	8,000	8,000	8,000	8,000	8,000	Flat Amount
248-170-802-300	DDA ADMINISTRATIVE	99,426	99,426	102,409	105,481	108,645	111,905	115,262	118,720	122,281	125,950	129,728	Assumes 3% Annual Increase
248-170-821-000	ENGINEERING	25,000	75,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	30,000	Flat Amount
248-170-826-265	LEGAL	2,185	2,500	2,625	2,756	2,894	3,039	3,191	3,350	3,518	3,694	3,878	Assumes 5% Annual Increase
248-170-860-000	DDA - MILEAGE	41	400	400	400	400	400	500	500	500	500	500	Flat Amount
248-170-861-100	BUS SERVICE 28th STREET	178,335	191,576	244,173	256,382	269,201	282,661	296,794	311,633	327,215	343,576	360,755	Assumes 5% Annual Increase (100% Cost)
248-170-921-000	ELECTRICITY	23,802	25,000	26,250	27,563	28,941	30,388	31,907	33,502	35,178	36,936	38,783	Assumes 5% Annual Increase
248-170-922-000	STREETLIGHTS	0	5,000	5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000	Flat Amount
248-170-924-100	CELL PHONES/DATA	792	850	876	902	929	957	985	1,015	1,045	1,077	1,109	Assumes 3% Annual Increase
248-170-927-000	WATER-SEWER	6,459	6,500	6,825	7,166	7,525	7,901	8,296	8,711	9,146	9,603	10,084	Assumes 5% Annual Increase
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	36,845	35,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000	40,000	Flat Amount
248-170-931-300	METRO CRUISE	0	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000	16,000	17,000	\$1,000 Annual Increase
248-170-950-000	DDA PROPERTY TAX REFUNDS	11,769	50,000	35,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	Rampdown to Flat
248-170-967-000	SPECIAL PROJECTS	19,887	71,700	50,000	50,000	50,000	50,000	60,000	60,000	60,000	60,000	60,000	Flat Amount
248-170-981-000	SMALL EQUIP AND FURNITURE	1,014	1,000	1,000	1,000	1,000	1,000	1,500	1,500	1,500	1,500	1,500	Flat Amount
248-901-970-000	CAPITAL OUTLAY - FFE	0	230,000	0	0	0	0	0	0	0	0	0	Capital Outlay Items
248-901-974-000	CAPITAL OUTLAY - LANDIMP	395,808	0	0	0	0	0	0	0	0	0	0	Capital Outlay Items
248-990-992-003	MUN BOND 2010 /PRINCIPAL	103,000	0	0	0	0	0	0	0	0	0	0	Bond Paid Off - 2020
248-990-992-007	LOAN PRINCIPAL	61,300	70,000	75,000	75,000	80,000	80,000	85,000	90,000	90,000	95,000	0	Tuffy Muffler Payment
248-990-996-001	INTEREST AND FEES	20,367	24,050	21,775	19,338	16,900	14,300	11,700	8,938	6,013	3,088	0	
248-990-996-003	MUN BOND 2010 / INT & FEES	3,833	0	0	0	0	0	0	0	0	0	0	Bond Paid Off - 2020
<b>TOTAL EXPENDITURES</b>		<b>1,003,718</b>	<b>906,222</b>	<b>650,613</b>	<b>646,333</b>	<b>667,847</b>	<b>685,032</b>	<b>731,192</b>	<b>755,004</b>	<b>774,613</b>	<b>800,227</b>	<b>726,730</b>	
<b>NET OF REVENUES/APPROPRIATIONS</b>		<b>197,905</b>	<b>327,367</b>	<b>603,705</b>	<b>637,270</b>	<b>645,788</b>	<b>659,203</b>	<b>645,260</b>	<b>653,085</b>	<b>665,709</b>	<b>672,969</b>	<b>779,951</b>	
BEGINNING FUND BALANCE		1,002,351	1,200,256	1,527,623	2,131,328	2,768,598	3,414,386	4,073,590	4,718,850	5,371,935	6,037,644	6,710,613	
ENDING FUND BALANCE		1,200,256	1,527,623	2,131,328	2,768,598	3,414,386	4,073,590	4,718,850	5,371,935	6,037,644	6,710,613	7,490,564	
FUND BAL. AS % BDGT		119.58%	168.57%	327.59%	428.36%	511.25%	594.66%	645.36%	711.51%	779.44%	838.59%	1030.72%	



# CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE, Grand Rapids, Michigan 49546-7140

**Date:** March 24, 2021  
**To:** Supervisor Lesperance and Township Board Members  
**From:** Ben Swayze, Township Manager  
**Subject:** Interurban Transit Partnership Transportation Services Contract

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## FACTS:

Cascade Township contracts with the Interurban Transit Partnership (commonly known as “The Rapid”) to provide route specific linehaul transportation services as well as paratransit services to individuals with disabilities that live within  $\frac{3}{4}$  mile of the linehaul designated route. There are two linehaul routes within the Township:

- **28<sup>th</sup> Street Route** – East on 28<sup>th</sup> Street, North on Patterson, East on Burton, South on Kraft, East on 28<sup>th</sup> Street, turnaround in Thornapple Center, west on 28<sup>th</sup> Street past Patterson.
- **36<sup>th</sup> Street Route** – West on 36<sup>th</sup> Street, north on Kraft Avenue, East on 33<sup>rd</sup> Street, south on Patterson, west on 36<sup>th</sup> Street. (Peak periods only, 15 trips daily)

In December 2020 the Township received proposed contracts with the Rapid for the 28th Street and 36th Street service. While the contract year typically begins in in October, the Rapid had agreed to extend the contracts at the previous rate for 3 additional months while they worked on adjusting rates based on State and Federal funding levels that they expected to fluctuate due to the effects of the Covid-19 pandemic.

The proposed contracts received in December contained a 12.08% increase from \$68.48 to \$76.75. At the time the Township indicated to the Rapid that the increase was not acceptable and that we would need to come up with alternatives, including altering the physical route, altering the route frequency or altering the funding models, before the Township would consider the new contracts.

After review the potential alternatives, The Rapid has agreed to a funding model that takes into account the “revenue hours” model in Cascade rather than the Township bearing the “full bus cost” model that had been previously utilized. Under the full bus cost model, the Township was responsible for paying the full amount of the additional bus that had to be added to Route 28 in order to serve Cascade. Under the new revenue hours model, the Township will only pay for the time the bus is actually in Cascade Township, effectively sharing part of the cost of the service with the Rapid.

Below are the calculations of what the services would cost (May 15 – September 30) under the new model vs. the old model.

<b>Billing Model</b>	<b>Billable Hours</b>	<b>Contract Cost</b>
Full Vehicle Cost (current arrangement)	2,216.66	\$155,776.41
Revenue Hours (proposed arrangement)	1,274.70	\$97,833.23

The resulting savings is \$57,943.18, or 37.2% over what it would have been utilizing the old model. It should be noted that this savings is for the 28th Street route only, the 36th Street route already was serviced under the revenue hours model. If approved it is anticipated that the savings would be allocated to the general fund portion of the payments.

I have attached both the 28th Street and 36th Street contracts for your review. The language in the contracts is the same as previous years except for the contract amount and the change in cost share model

**28<sup>th</sup> Street Route** - For the FY2021 contract (through September), the proposed cost is \$97,833.23. This is calculated at 1,274.70 billable hours at a contract rate of \$76.75 per hour.

**36<sup>th</sup> Street Route** - For the FY2021 contract (through September), the proposed cost is \$15,657. This is calculated at 204 billable hours at a contract rate of \$76.75 per hour. This represents a

Attached for your review are:

- Proposed agreement between The Interurban Transit Partnership and Cascade Township For Linehaul and Paratransit Services for both the 28<sup>th</sup> Street and 36<sup>th</sup> Street Services
- Rapid 28<sup>th</sup> Street – 4<sup>th</sup> Quarter Ridership Data reports for FY2020 and FY2019

**ANALYSIS & CONCLUSIONS:**

The agreement is the same that has been approved by the Township in previous years, with the exception of the change in the funding model. Though the contract rate is based on service hours for the linehaul service, the paratransit service is included as well, no matter the usage. The paratransit service applies to any individual that qualifies for the service and lives within ¾ mile of the linehaul route.

The most recent comprehensive ridership reports have been included for your review as well. The report indicated that the 28th Street Service in 4<sup>th</sup> Quarter 2020 saw weekday daily ridership (boardings and alightings) of approximately 207 riders per day, Saturday ridership of 145 riders per day and Sunday ridership of 73 riders per day. According to Rapid personnel, those numbers compare favorably to other crosstown routes and the 28th Street route has performed in the top 25% of routes throughout the Rapid system. It should also be noted that the system saw significant ridership drops in 2020 as a whole due to the COVID-19 pandemic, but it appears those ridership numbers have stabilized.

While each contract is for the remainder of the Rapid fiscal year (May 15, 2021 – September 30, 2021), the contracts can be terminated at any time, by either party, with a 3-month notification. It should also be noted that if the contracts are not approved by the Township Board, the Rapid will begin the process of winding down service in Cascade and the bus program will cease as of May 15. The Personnel and Finance Committee reviewed these contracts at their March meeting and voted 2-1 to recommend the Township Board approve the contracts.

**FINANCIAL CONSIDERATIONS:**

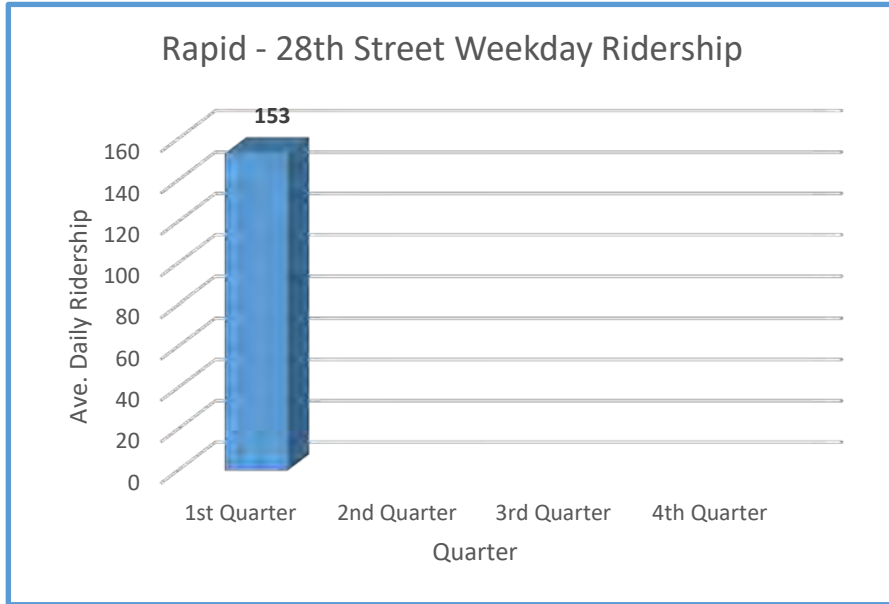
The estimated contract cost for 28<sup>th</sup> Street contract for FY 2021 contract (May 15 – September 31) is \$97,833.23. This currently this amount is split 50/50 between the General Fund and the Downtown Development Authority in the approved FY 2021 budget. However, it is recommended that this cost move to a 25% GF / 75% DDA split due to studies showing a majority of the benefits are in the DDA. The plan is to make this proposal to the DDA at an upcoming meeting. This also would represent a total savings of almost \$58,000 over the currently budgeted amounts.

The estimated contract cost for 36<sup>th</sup> Street contract for FY 2021 contract (May 15 – December 31) is \$15,657. This amount is budgeted entirely in the General Fund in the FY 2021 budget.

**RECOMMENDED ACTION:**

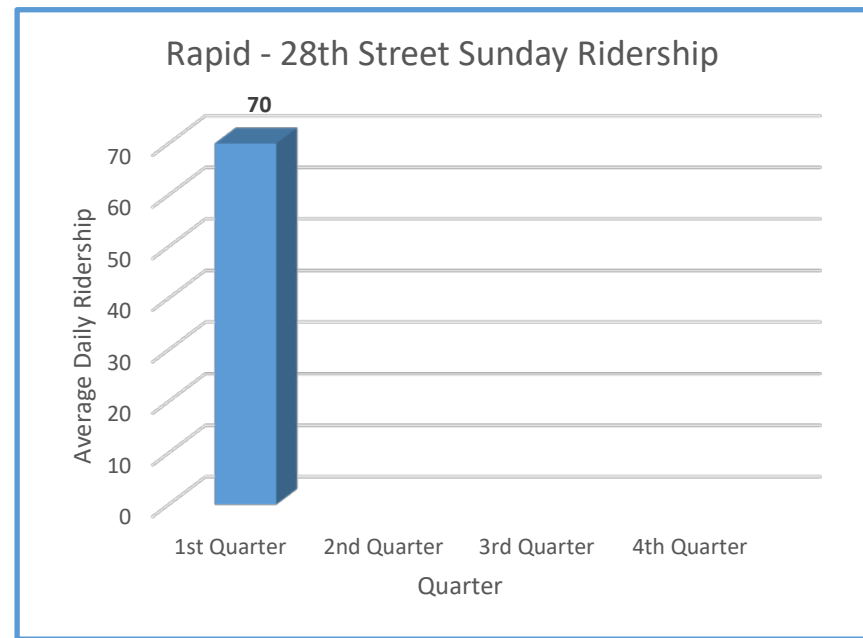
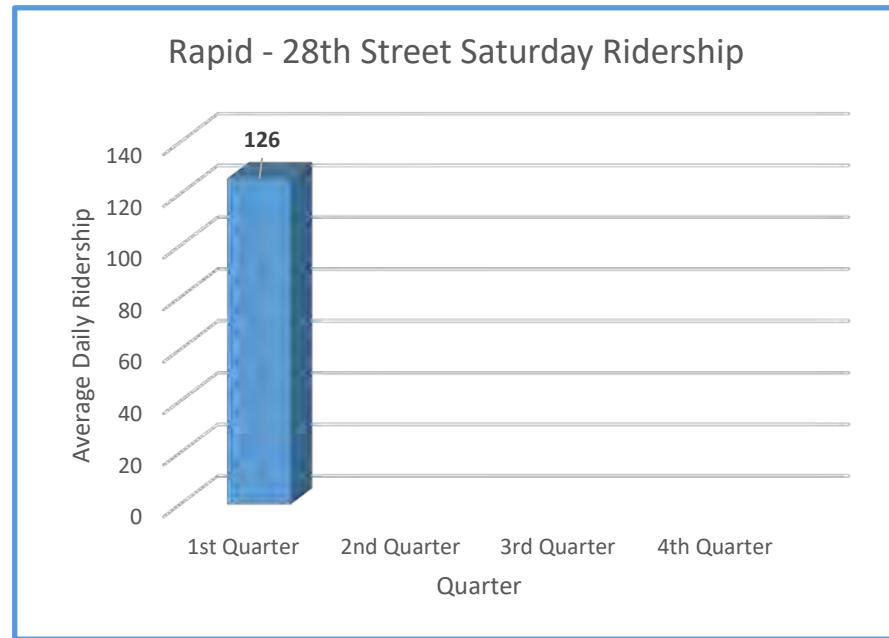
Approve the *Agreement Between the Interurban Transit Partnership and Cascade Township For Linehaul and Paratransit Services on 28<sup>th</sup> Street* and the *Agreement Between the Interurban Transit Partnership and Cascade Township For Linehaul and Paratransit Services on 36<sup>th</sup> Street* and authorize the Township Manager to execute the agreements on behalf of the Township.

# Rapid 28th Street - FY2021 1st Quarter Ridership Data



The Rapid collects realtime boarding data and no longer relies on sampling estimates. Boardings and alightings are collected in real time. Ridership in Cascade experiences slightly more alightings than boardings, which is not uncommon. The riders summary is charted on this sheet, while actual rider data and ridership logs are available upon request. Based on the data it appears the ridership has matured, and changes in ridership patterns are due to changes along the route.

As with most Township services, ridership was effected greatly by the COVID-19 pandemic. For 2020 it appeared that the ridership was most effected during 2nd quarter and partially into 3rd quarter. By 4th quarter the ridership had appeared to stabilize. 1st quarter 2021 saw the State of Michigan return to a high Covid-19 caseload, which could have had an effect on the ridership. For comparison, 2nd quarter 2020 had an average daily ridership of 113 riders per day.



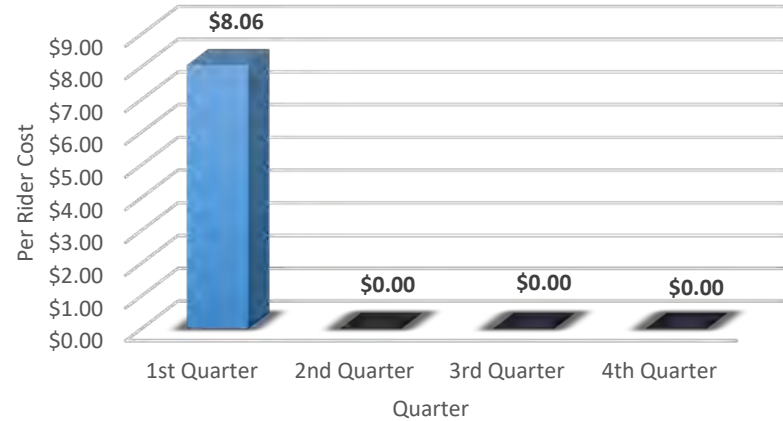
# Rapid 28th Street - FY2021 1st Quarter Financial Data

Cascade Township funds the 28th Street Linehaul service on a "per service hour" formula, which is \$68.48 per service hour for the 4th Quarter of 2019 (and was \$68.48 for the first 3 quarters.) Based on the hours of service, the Township pays the following "per day" costs:

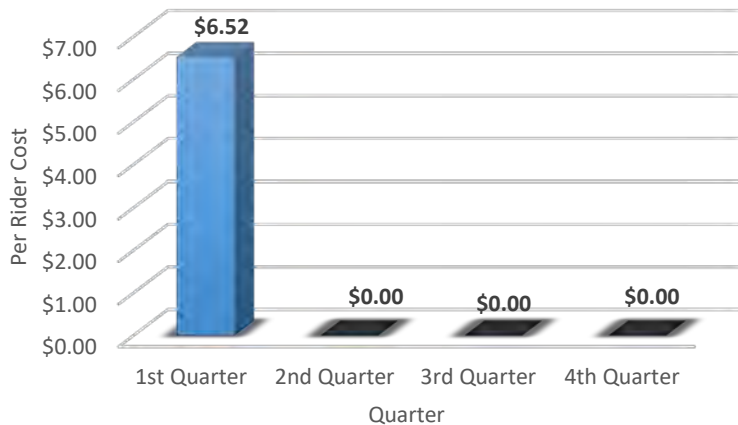
**Weekday - \$1,232.64   Saturday - \$821.76   Sunday - \$410.88**

Because the costs per day are fixed, the subsidy that is spent per rider is variable based on the volume of riders, the more riders that utilize the service the lower the subsidy per rider paid by the Township. As mentioned previously, it is unknown exactly what effect the Covid-19 pandemic is having on current ridership numbers. While late 3rd quarter and 4th quarter saw a return to normal ridership numbers, the Michigan caseload was significantly higher in 1st quarter 2021, which may have suppressed ridership.

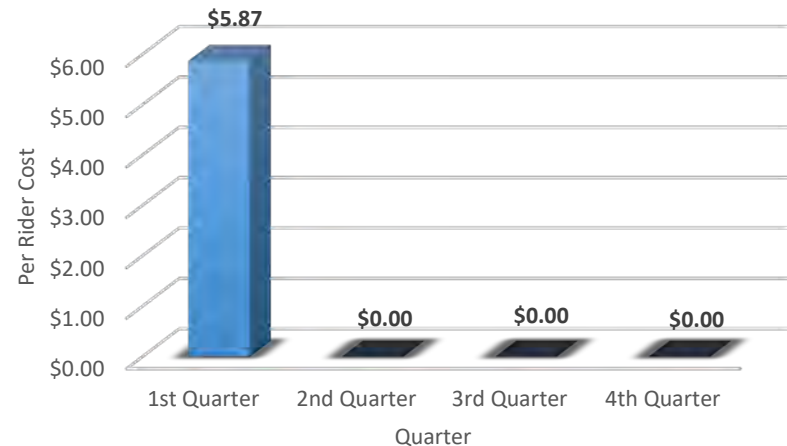
## Rapid - 28th Street Weekday Per Rider Cost



## Rapid - 28th Street Saturday Per Rider Cost

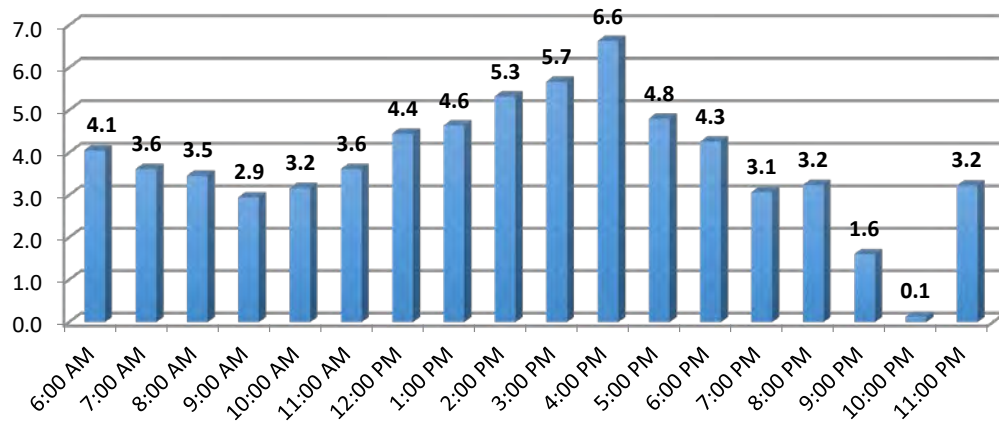


## Rapid - 28th Street Sunday Per Rider Costs



# Rapid 28th Street - FY 2021 1st Quarter Hourly Boarding Data

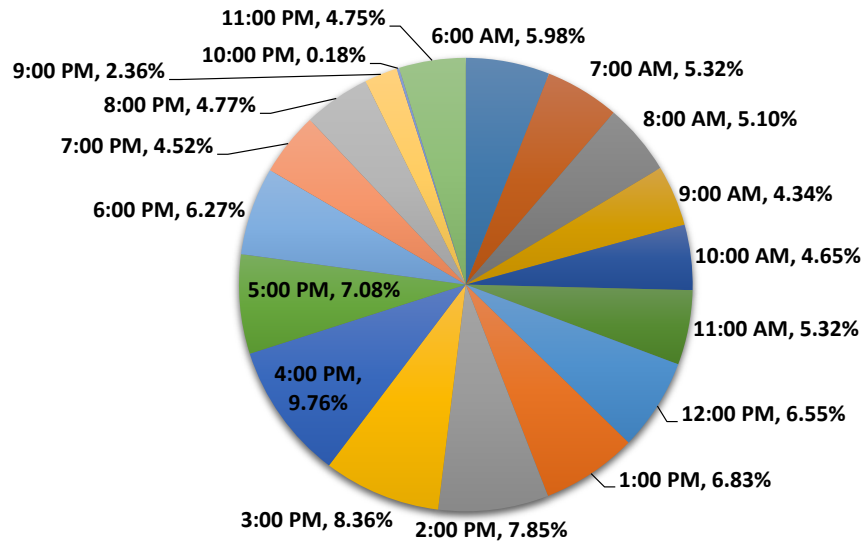
## Average Boardings By Hour (All Days)



The Rapid busses are outfitted with data collection devices that count every boarding in the system. The top chart represents the amount of boardings, per hour of service, for all of the Cascade Township stops. The data collection system does not collect alighting information. It should be noted that the data is for all days (week day and weekend days). The chart continues to follow the same trend seen in previous charts, with peak ridership mid-day.

The bottom chart represents the same data set as the top chart, but expressed as a percentage of total boardings rather than a number. The smallest percentage of boardings happens in the 10 pm hour (0.18%) and the largest occurs in the 4 pm hour (9.76%)

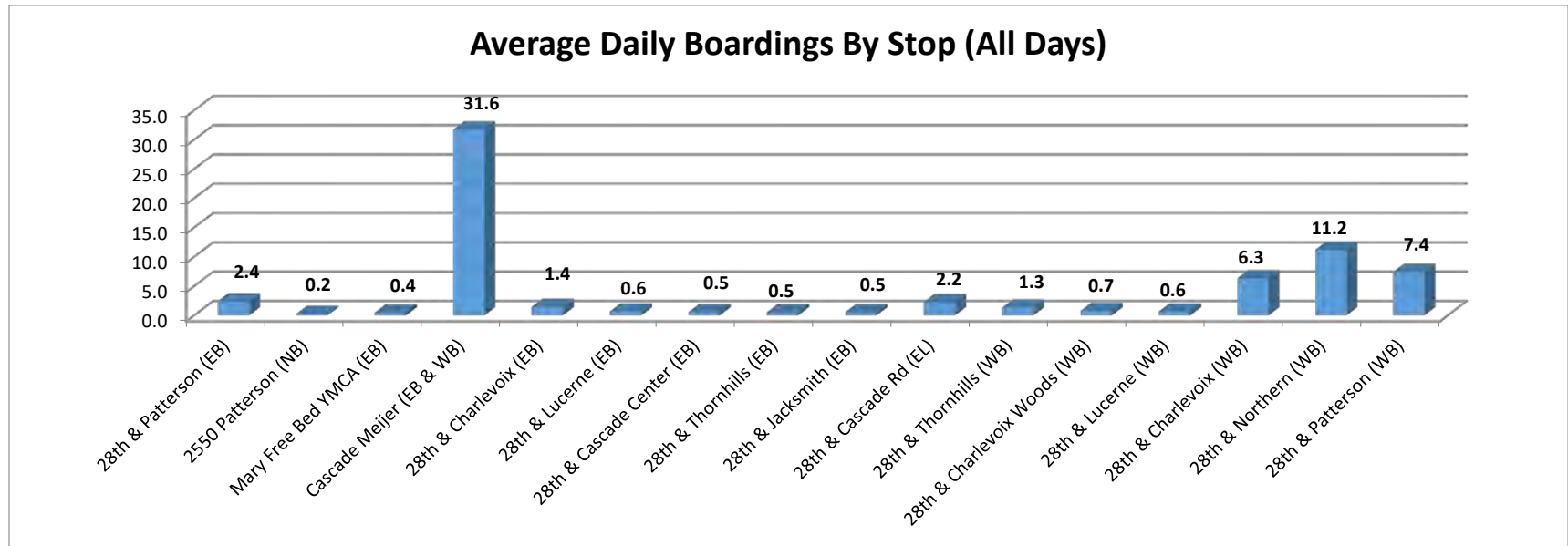
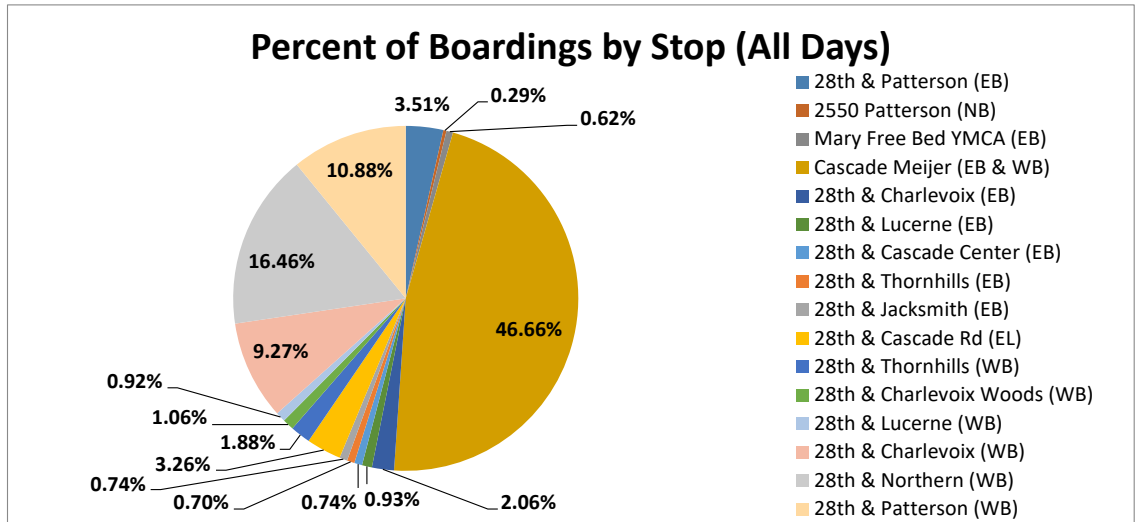
## Percent of Total Boardings (All Days)



# Rapid 28th Street - FY 2021 1st Quarter Stop Boarding Data

The Rapid bus data collection system also collects stop location data for boardings. By far the largest amount of stops occur at the Meijer stop, though it should be noted that this stop is utilized both EB and WB on the route. The boardings patterns shows that the ridership constitutes primarily riders coming into Cascade. It should also be noted that a rider may not board and alight at the same location. Some will alight on an EB stop and board on a WB stop.

The bottom chart represents the same data set as the top chart, but expressed as the average boardings per day for each stop. The Meijer stop has the highest number (31.6) while several stops average less than 5 boardings per day. It should be noted the data represents all weekdays and weekend days.



# 2021 Raw Ridership Data

## Trips Per Day

Date	Boardings	Estimated Alightings	Estimated Total Trips
Friday 1/1/2021		<b>No Service - New Years Day</b>	
Saturday 1/2/2021	73	73	146
Sunday 1/3/2021	33	33	66
Monday 1/4/2021	66	66	132
Tuesday 1/5/2021	84	84	168
Wednesday 1/6/2021	71	71	142
Thursday 1/7/2021	93	93	186
Friday 1/8/2021	74	74	148
Saturday 1/9/2021	71	71	142
Sunday 1/10/2021	39	39	78
Monday 1/11/2021	83	83	166
Tuesday 1/12/2021	61	61	122
Wednesday 1/13/2021	76	76	152
Thursday 1/14/2021	92	92	184
Friday 1/15/2021	85	85	170
Saturday 1/16/2021	68	68	136
Sunday 1/17/2021	34	34	68
Monday 1/18/2021	64	64	128
Tuesday 1/19/2021	77	77	154
Wednesday 1/20/2021	66	66	132
Thursday 1/21/2021	67	67	134
Friday 1/22/2021	70	70	140
Saturday 1/23/2021	55	55	110
Sunday 1/24/2021	37	37	74
Monday 1/25/2021	66	66	132
Tuesday 1/26/2021	68	68	136
Wednesday 1/27/2021	81	81	162
Thursday 1/28/2021	65	65	130
Friday 1/29/2021	65	65	130
Saturday 1/30/2021	52	52	104
Sunday 1/31/2021	25	25	50
Monday 2/1/2021	65	65	130
Tuesday 2/2/2021	73	73	146
Wednesday 2/3/2021	68	68	136
Thursday 2/4/2021	79	79	158
Friday 2/5/2021	54	54	108
Saturday 2/6/2021	46	46	92
Sunday 2/7/2021	25	25	50
Monday 2/8/2021	65	65	130
Tuesday 2/9/2021	73	73	146
Wednesday 2/10/2021	62	62	124
Thursday 2/11/2021	82	82	164
Friday 2/12/2021	96	96	192
Saturday 2/13/2021	64	64	128
Sunday 2/14/2021	29	29	58
Monday 2/15/2021	56	56	112
Tuesday 2/16/2021	67	67	134
Wednesday 2/17/2021	107	107	214
Thursday 2/18/2021	71	71	142
Friday 2/19/2021	64	64	128
Saturday 2/20/2021	51	51	102
Sunday 2/21/2021	28	28	56
Monday 2/22/2021	66	66	132
Tuesday 2/23/2021	74	74	148
Wednesday 2/24/2021	82	82	164
Thursday 2/25/2021	79	79	158
Friday 2/26/2021	75	75	150
Saturday 2/27/2021	66	66	132
Sunday 2/28/2021	40	40	80
Monday 3/1/2021	66	66	132
Tuesday 3/2/2021	90	90	180
Wednesday 3/3/2021	76	76	152
Thursday 3/4/2021	97	97	194
Friday 3/5/2021	72	72	144
Saturday 3/6/2021	53	53	106
Sunday 3/7/2021	42	42	84
Monday 3/8/2021	75	75	150
Tuesday 3/9/2021	90	90	180
Wednesday 3/10/2021	77	77	154
Thursday 3/11/2021	79	79	158
Friday 3/12/2021	88	88	176
Saturday 3/13/2021	57	57	114
Sunday 3/14/2021	48	48	96
Monday 3/15/2021	131	131	262
Tuesday 3/16/2021	87	87	174
Wednesday 3/17/2021	87	87	174
Thursday 3/18/2021	70	70	140
Friday 3/19/2021	88	88	176
Saturday 3/20/2021	86	86	172
Sunday 3/21/2021	42	42	84
Monday 3/22/2021	80	80	160
Tuesday 3/23/2021	60	60	120
Wednesday 3/24/2021	90	90	180
Thursday 3/25/2021	82	82	164
Friday 3/26/2021	70	70	140
Saturday 3/27/2021	75	75	150
Sunday 3/28/2021	35	35	70
Monday 3/29/2021	75	75	150
Tuesday 3/30/2021	87	87	174
Wednesday 3/31/2021	81	81	162
<b>Total</b>	<b>6,104</b>	<b>6,104</b>	<b>12,208</b>

## Boardings by Time of Day

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	365	4.1	6.0
7:00 AM	325	3.7	5.3
8:00 AM	311	3.5	5.1
9:00 AM	265	3.0	4.3
10:00 AM	284	3.2	4.7
11:00 AM	325	3.7	5.3
12:00 PM	400	4.5	6.6
1:00 PM	417	4.7	6.8
2:00 PM	479	5.4	7.8
3:00 PM	510	5.7	8.4
4:00 PM	596	6.7	9.8
5:00 PM	432	4.9	7.1
6:00 PM	383	4.3	6.3
7:00 PM	276	3.1	4.5
8:00 PM	291	3.3	4.8
9:00 PM	144	1.6	2.4
10:00 PM	11	0.1	0.2
11:00 PM	0	0.0	0.0
12:00 AM	290	3.3	4.8
<b>Total</b>	<b>6,104</b>	<b>68.6</b>	<b>100.0</b>

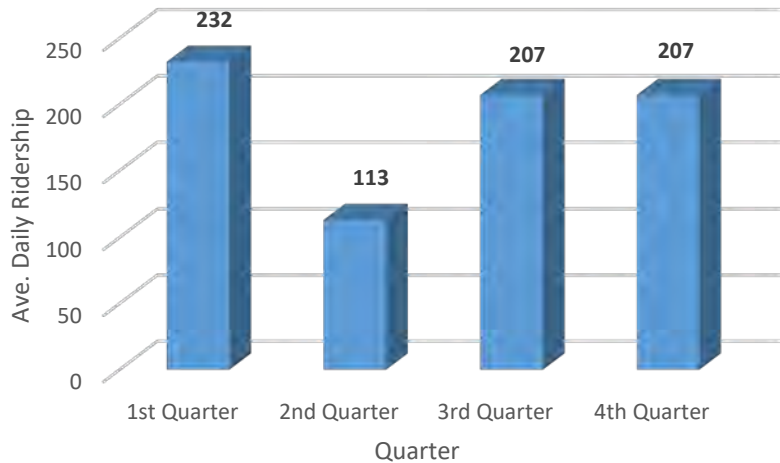
## Daily Average

Average Trips per Weekday	153
Average Trips per Saturday	126
Average Trips per Sunday	70

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	214	2.4	2.4	4.8	3.5%
2550 Patterson	EB	9272	18	0.2	0.2	0.4	0.3%
Mary Free Bed YMCA	EB	9274	38	0.4	0.4	0.9	0.6%
Cascade Meijer	EB/WB	9275	2,848	32.0	32.0	64.0	46.7%
28th and Charlevoix	EB	9277	126	1.4	1.4	2.8	2.1%
28th and Lucerne	EB	9279	57	0.6	0.6	1.3	0.9%
28th and Cascade Center	EB	9281	45	0.5	0.5	1.0	0.7%
28th and Thornhills	WB	9283	43	0.5	0.5	1.0	0.7%
28th and Jacksmith	EB	9284	45	0.5	0.5	1.0	0.7%
28th and Cascade Rd	EB/WB	9286	199	2.2	2.2	4.5	3.3%
28th and Thornhills	WB	9288	115	1.3	1.3	2.6	1.9%
28th and Charlevoix Woods	WB	9290	65	0.7	0.7	1.5	1.1%
28th and Lucerne	WB	9292	56	0.6	0.6	1.3	0.9%
28th and Charlevoix	WB	9294	566	6.4	6.4	12.7	9.3%
28th and Northern	WB	9298	1,005	11.3	11.3	22.6	16.5%
28th and Patterson	WB	9300	664	7.5	7.5	14.9	10.9%
<b>Total</b>			<b>6,104</b>	<b>68.6</b>	<b>68.6</b>	<b>137.2</b>	<b>100.0%</b>

# Rapid 28th Street - FY2020 4th Quarter Ridership Data

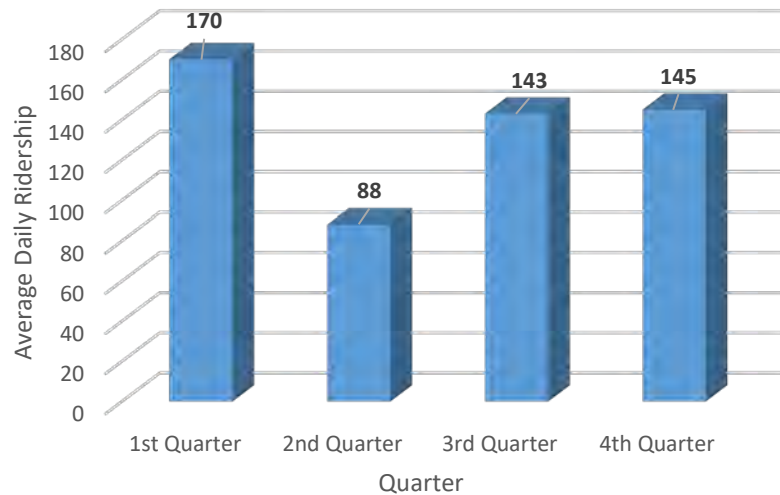
## Rapid - 28th Street Weekday Ridership



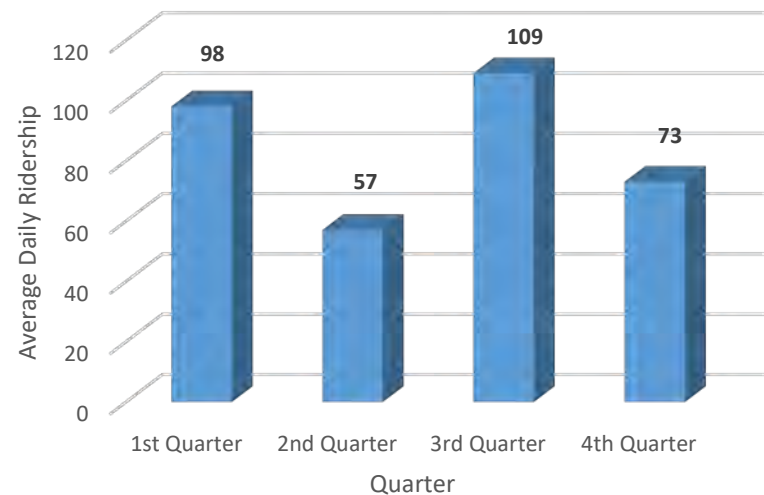
The Rapid collects realtime boarding data and no longer relies on sampling estimates. Boardings and alightings are collected in real time. Ridership in Cascade experiences slightly more alightings than boardings, which is not uncommon. The riders summary is charted on this sheet, while actual rider data and ridership logs are available upon request. Based on the data it appears the ridership has matured, and changes in ridership patterns are due to changes along the route.

As with most Township services, ridership was effected greatly by the COVID-19 pandemic. The most telling ridership data is in 2nd Quarter when the least was known about the virus and the State experienced the most significant lockdown restrictions. By 3rd quarter ridership began to normalize and I would anticipate that the 4th quarter statistics are the most reliable for determining the long term effect of the pandemic on ridership.

## Rapid - 28th Street Saturday Ridership



## Rapid - 28th Street Sunday Ridership



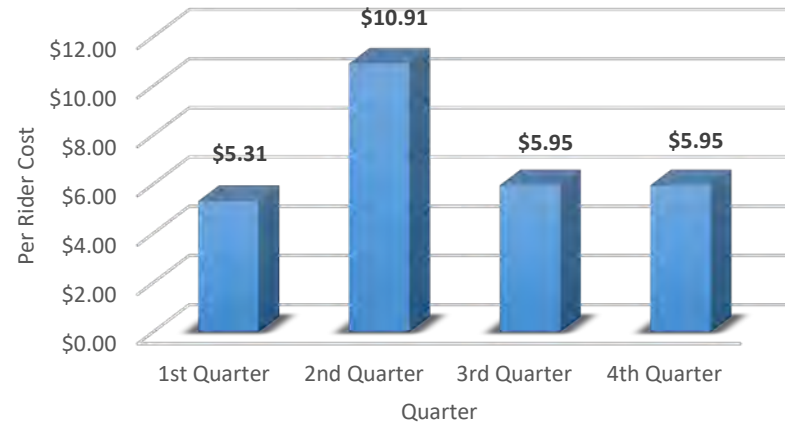
# Rapid 28th Street - FY2020 4th Quarter Financial Data

Cascade Township funds the 28th Street Linehaul service on a "per service hour" formula, which is \$68.48 per service hour for the 4th Quarter of 2019 (and was \$68.48 for the first 3 quarters.) Based on the hours of service, the Township pays the following "per day" costs:

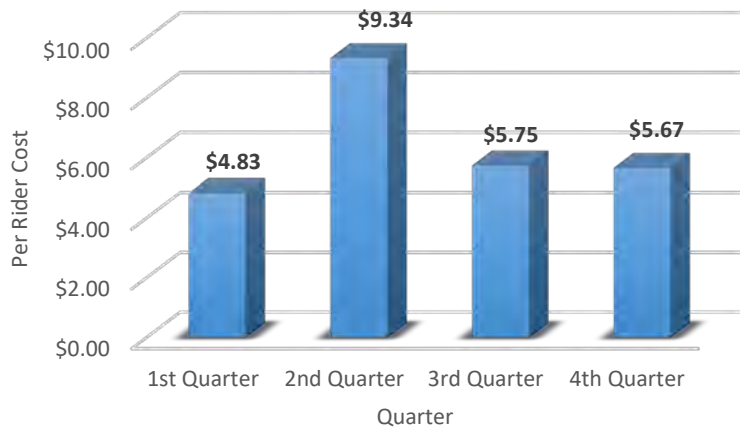
**Weekday - \$1,232.64   Saturday - \$821.76   Sunday - \$410.88**

Because the costs per day are fixed, the subsidy that is spent per rider is variable based on the volume of riders, the more riders that utilize the service the lower the subsidy per rider paid by the Township. The COVID-19 pandemic caused significant ridership reductions in the 2nd Quarter, resulting in a significant per rider subsidy. It should be noted, however, the Township did receive reduced billing during this quarter, which is not reflected in the service cost numbers. By 4th quarter the per rider subsidy had normalized to and expected level seen in pre-pandemic ridership levels.

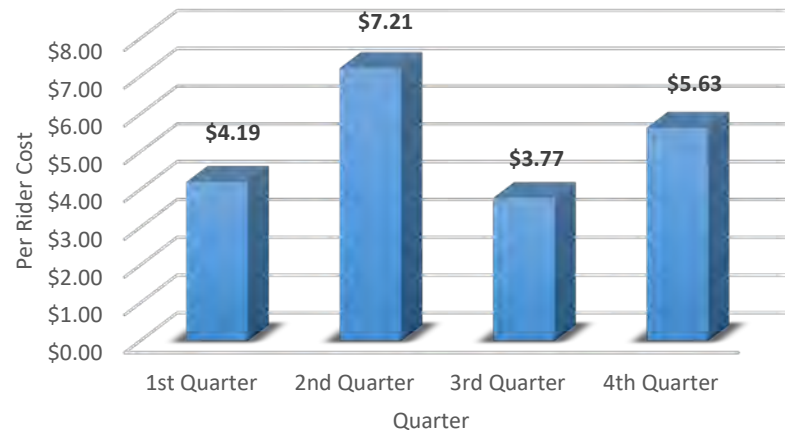
### Rapid - 28th Street Weekday Per Rider Cost



### Rapid - 28th Street Saturday Per Rider Cost

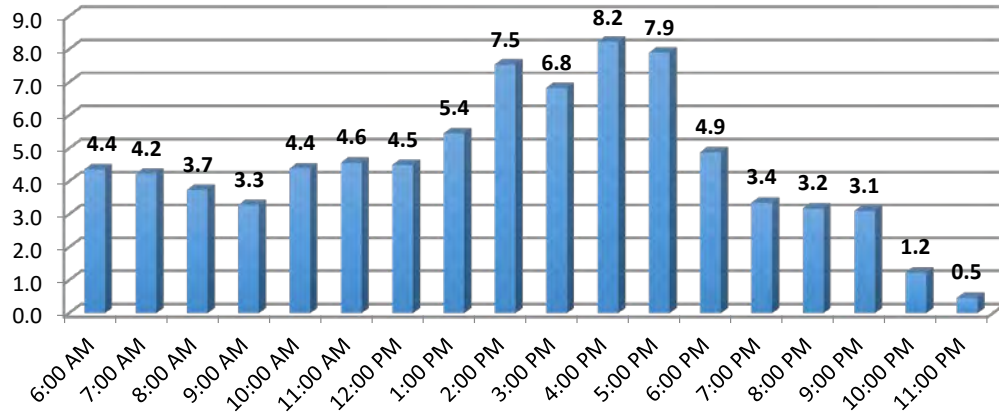


### Rapid - 28th Street Sunday Per Rider Costs



# Rapid 28th Street - FY 2020 4th Quarter Hourly Boarding Data

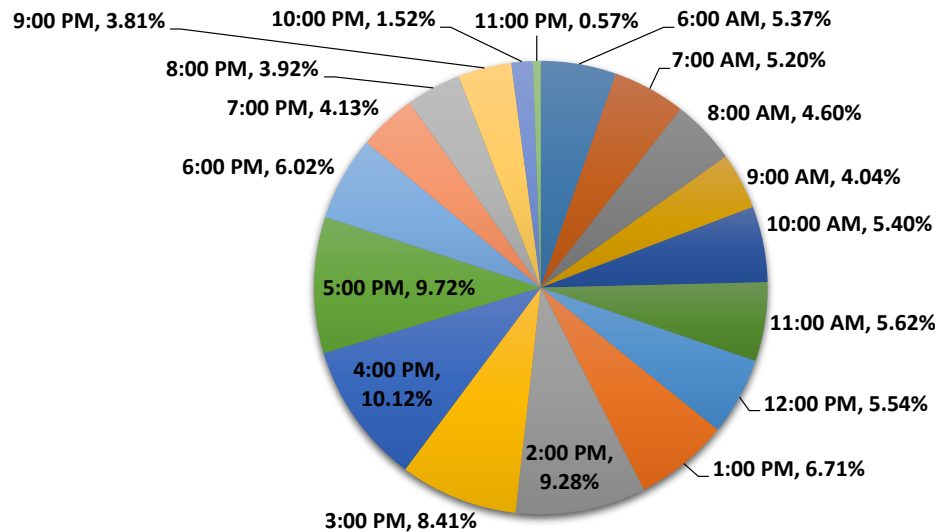
## Average Boardings By Hour (All Days)



The Rapid busses are outfitted with data collection devices that count every boarding in the system. The top chart represents the amount of boardings, per hour of service, for all of the Cascade Township stops. The data collection system does not collect alighting information. It should be noted that the data is for all days (week day and weekend days). The chart continues to follow the same trend seen in previous charts, with peak ridership mid-day.

The bottom chart represents the same data set as the top chart, but expressed as a percentage of total boardings rather than a number. The smallest percentage of boardings happens in the 11 pm hour (0.57%) and the largest occurs in the 4 pm hour (10.12%).

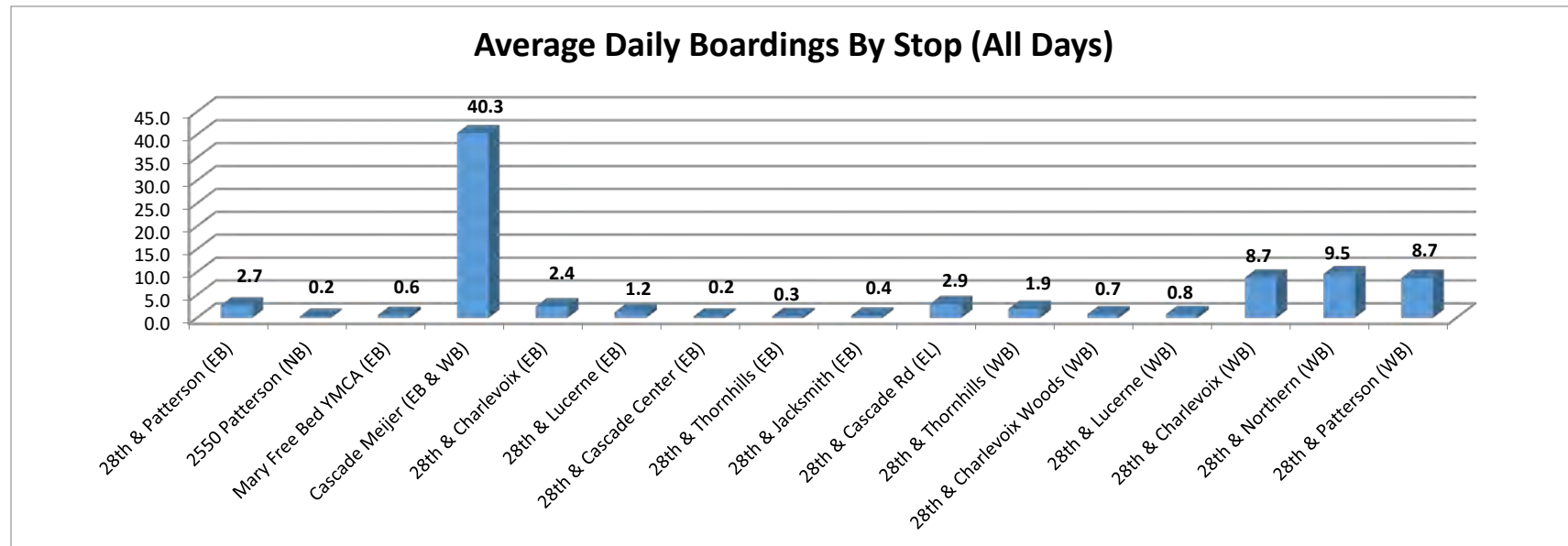
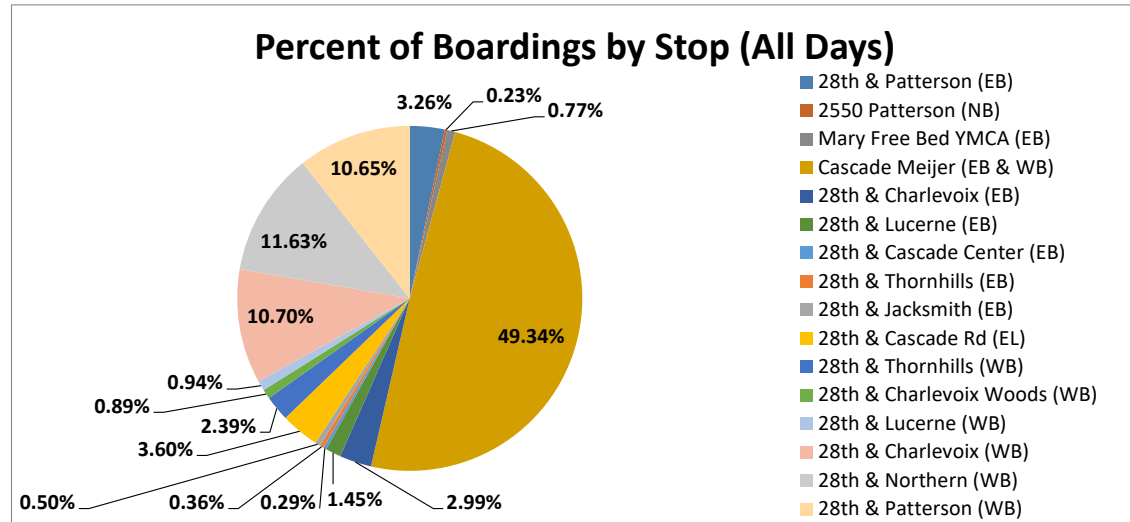
## Percent of Total Boardings (All Days)



# Rapid 28th Street - FY 2020 4th Quarter Stop Boarding Data

The Rapid bus data collection system also collects stop location data for boardings. By far the largest amount of stops occur at the Meijer stop, though it should be noted that this stop is utilized both EB and WB on the route. The boardings patterns shows that the ridership constitutes primarily riders coming into Cascade. It should also be noted that a rider may not board and alight at the same location. Some will alight on an EB stop and board on a WB stop.

The bottom chart represents the same data set as the top chart, but expressed as the average boardings per day for each stop. The Meijer stop has the highest number (40.3) while several stops average less than 5 boardings per day. It should be noted the data represents all weekdays and weekend days.



# 2020 Raw Ridership Data

## Trips Per Day

Date	Boardings	Estimated Alightings	Estimated Total Trips
Wednesday 1/1/2020		New Years Day - NO SERVICE	
Thursday 1/2/2020	115	115	230
Friday 1/3/2020	155	155	310
Saturday 1/4/2020	97	97	194
Sunday 1/5/2020	35	35	70
Monday 1/6/2020	104	104	208
Tuesday 1/7/2020	136	136	272
Wednesday 1/8/2020	134	134	268
Thursday 1/9/2020	141	141	282
Friday 1/10/2020	92	92	184
Saturday 1/11/2020	45	45	90
Sunday 1/12/2020	56	56	112
Monday 1/13/2020	139	139	278
Tuesday 1/14/2020	117	117	234
Wednesday 1/15/2020	111	111	222
Thursday 1/16/2020	133	133	266
Friday 1/17/2020	136	136	272
Saturday 1/18/2020	85	85	170
Sunday 1/19/2020	47	47	94
Monday 1/20/2020	112	112	224
Tuesday 1/21/2020	91	91	182
Wednesday 1/22/2020	132	132	264
Thursday 1/23/2020	120	120	240
Friday 1/24/2020	120	120	240
Saturday 1/25/2020	78	78	156
Sunday 1/26/2020	61	61	122
Monday 1/27/2020	142	142	284
Tuesday 1/28/2020	120	120	240
Wednesday 1/29/2020	143	143	286
Thursday 1/30/2020	176	176	352
Friday 1/31/2020	129	129	258
Saturday 2/1/2020	75	75	150
Sunday 2/2/2020	54	54	108
Monday 2/3/2020	104	104	208
Tuesday 2/4/2020	145	145	290
Wednesday 2/5/2020	148	148	296
Thursday 2/6/2020	131	131	262
Friday 2/7/2020	136	136	272
Saturday 2/8/2020	111	111	222
Sunday 2/9/2020	60	60	120
Monday 2/10/2020	150	150	300
Tuesday 2/11/2020	97	97	194
Wednesday 2/12/2020	138	138	276
Thursday 2/13/2020	164	164	328
Friday 2/14/2020	106	106	212
Saturday 2/15/2020	90	90	180
Sunday 2/16/2020	50	50	100
Monday 2/17/2020	93	93	186
Tuesday 2/18/2020	119	119	238
Wednesday 2/19/2020	153	153	306
Thursday 2/20/2020	111	111	222
Friday 2/21/2020	113	113	226
Saturday 2/22/2020	99	99	198
Sunday 2/23/2020	55	55	110
Monday 2/24/2020	132	132	264
Tuesday 2/25/2020	120	120	240
Wednesday 2/26/2020	135	135	270
Thursday 2/27/2020	117	117	234
Friday 2/28/2020	117	117	234
Saturday 2/29/2020	85	85	170
Sunday 3/1/2020	58	58	116
Monday 3/2/2020	126	126	252
Tuesday 3/3/2020	126	126	252
Wednesday 3/4/2020	126	126	252
Thursday 3/5/2020	144	144	288
Friday 3/6/2020	139	139	278
Saturday 3/7/2020	93	93	186
Sunday 3/8/2020	54	54	108
Monday 3/9/2020	119	119	238
Tuesday 3/10/2020	127	127	254
Wednesday 3/11/2020	137	137	274
Thursday 3/12/2020	137	137	274
Friday 3/13/2020	136	136	272
Saturday 3/14/2020	92	92	184
Sunday 3/15/2020	54	54	108
Monday 3/16/2020	74	74	148
Tuesday 3/17/2020	104	104	208
Wednesday 3/18/2020	96	96	192
Thursday 3/19/2020	80	80	160
Friday 3/20/2020	93	93	186
Saturday 3/21/2020	63	63	126
Sunday 3/22/2020	31	31	62
Monday 3/23/2020	82	82	164
Tuesday 3/24/2020	35	35	70
Wednesday 3/25/2020	51	51	102
Thursday 3/26/2020	45	45	90
Friday 3/27/2020	55	55	110
Saturday 3/28/2020	40	40	80
Sunday 3/29/2020	23	23	46
Monday 3/30/2020	39	39	78
Tuesday 3/31/2020	29	29	58
<b>Total</b>	<b>9,118</b>	<b>9,118</b>	<b>18,236</b>

## Boardings by Time of Day

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	407	4.5	4.5
7:00 AM	403	4.5	4.4
8:00 AM	285	3.2	3.1
9:00 AM	328	3.6	3.6
10:00 AM	421	4.7	4.6
11:00 AM	417	4.6	4.6
12:00 PM	483	5.4	5.3
1:00 PM	591	6.6	6.5
2:00 PM	853	9.5	9.4
3:00 PM	868	9.6	9.5
4:00 PM	978	10.9	10.7
5:00 PM	937	10.4	10.3
6:00 PM	437	4.9	4.8
7:00 PM	320	3.6	3.5
8:00 PM	380	4.2	4.2
9:00 PM	426	4.7	4.7
10:00 PM	416	4.6	4.6
11:00 PM	134	1.5	1.5
12:00 AM	34	0.4	0.4
<b>Total</b>	<b>9,118</b>	<b>101.3</b>	<b>100.0</b>

## Daily Average

Average Trips per Weekday	232
Average Trips per Saturday	170
Average Trips per Sunday	98

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	307	3.4	3.4	6.8	3.4%
2550 Patterson	EB	9272	21	0.2	0.2	0.5	0.2%
Mary Free Bed YMCA	EB	9274	124	1.4	1.4	2.8	1.4%
Cascade Meijer	EB/WB	9275	3,364	37.4	37.4	74.8	36.9%
28th and Charlevoix	EB	9277	358	4.0	4.0	8.0	3.9%
28th and Lucerne	EB	9279	197	2.2	2.2	4.4	2.2%
28th and Cascade Center	EB	9281	49	0.5	0.5	1.1	0.5%
28th and Thornhills	WB	9283	54	0.6	0.6	1.2	0.6%
28th and Jacksmith	EB	9284	73	0.8	0.8	1.6	0.8%
28th and Cascade Rd	EB/WB	9286	301	3.3	3.3	6.7	3.3%
28th and Thornhills	WB	9288	283	3.1	3.1	6.3	3.1%
28th and Charlevoix Woods	WB	9290	135	1.5	1.5	3.0	1.5%
28th and Lucerne	WB	9292	106	1.2	1.2	2.4	1.2%
28th and Charlevoix	WB	9294	1,061	11.8	11.8	23.6	11.6%
28th and Northern	WB	9298	1,493	16.6	16.6	33.2	16.4%
28th and Patterson	WB	9300	1,192	13.2	13.2	26.5	13.1%
<b>Total</b>			<b>9,118</b>	<b>101.3</b>	<b>101.3</b>	<b>202.6</b>	<b>100.0%</b>

**Trips Per Day**

	Date	Boardings	Estimated Alightings	Estimated Total Trips
Wednesday	4/1/2020	53	53	106
Thursday	4/2/2020	35	35	70
Friday	4/3/2020	45	45	90
Saturday	4/4/2020	30	30	60
Sunday	4/5/2020	32	32	64
Monday	4/6/2020	44	44	88
Tuesday	4/7/2020	35	35	70
Wednesday	4/8/2020	39	39	78
Thursday	4/9/2020	34	34	68
Friday	4/10/2020	38	38	76
Saturday	4/11/2020	29	29	58
Sunday	4/12/2020	36	36	72
Monday	4/13/2020	31	31	62
Tuesday	4/14/2020	34	34	68
Wednesday	4/15/2020	33	33	66
Thursday	4/16/2020	35	35	70
Friday	4/17/2020	48	48	96
Saturday	4/18/2020	35	35	70
Sunday	4/19/2020	21	21	42
Monday	4/20/2020	44	44	88
Tuesday	4/21/2020	20	20	40
Wednesday	4/22/2020	29	29	58
Thursday	4/23/2020	33	33	66
Friday	4/24/2020	54	54	108
Saturday	4/25/2020	29	29	58
Sunday	4/26/2020	23	23	46
Monday	4/27/2020	54	54	108
Tuesday	4/28/2020	33	33	66
Wednesday	4/29/2020	48	48	96
Thursday	4/30/2020	42	42	84
Friday	5/1/2020	62	62	124
Saturday	5/2/2020	36	36	72
Sunday	5/3/2020	28	28	56
Monday	5/4/2020	40	40	80
Tuesday	5/5/2020	33	33	66
Wednesday	5/6/2020	45	45	90
Thursday	5/7/2020	60	60	120
Friday	5/8/2020	53	53	106
Saturday	5/9/2020	30	30	60
Sunday	5/10/2020	10	10	20
Monday	5/11/2020	46	46	92
Tuesday	5/12/2020	56	56	112
Wednesday	5/13/2020	50	50	100
Thursday	5/14/2020	14	14	28
Friday	5/15/2020	66	66	132
Saturday	5/16/2020	43	43	86
Sunday	5/17/2020	19	19	38
Monday	5/18/2020	46	46	92
Tuesday	5/19/2020	35	35	70
Wednesday	5/20/2020	55	55	110
Thursday	5/21/2020	43	43	86
Friday	5/22/2020	62	62	124
Saturday	5/23/2020	38	38	76
Sunday	5/24/2020	17	17	34
Monday	5/25/2020	<i>No Service - Memorial Day</i>		
Tuesday	5/26/2020	59	59	118
Wednesday	5/27/2020	60	60	120
Thursday	5/28/2020	77	77	154
Friday	5/29/2020	60	60	120
Saturday	5/30/2020	42	42	84
Sunday	5/31/2020	22	22	44
Monday	6/1/2020	60	60	120
Tuesday	6/2/2020	64	64	128
Wednesday	6/3/2020	81	81	162
Thursday	6/4/2020	103	103	206
Friday	6/5/2020	90	90	180
Saturday	6/6/2020	51	51	102
Sunday	6/7/2020	43	43	86
Monday	6/8/2020	81	81	162
Tuesday	6/9/2020	77	77	154
Wednesday	6/10/2020	67	67	134
Thursday	6/11/2020	84	84	168
Friday	6/12/2020	85	85	170
Saturday	6/13/2020	61	61	122
Sunday	6/14/2020	36	36	72
Monday	6/15/2020	83	83	166
Tuesday	6/16/2020	75	75	150
Wednesday	6/17/2020	84	84	168
Thursday	6/18/2020	80	80	160
Friday	6/19/2020	89	89	178
Saturday	6/20/2020	72	72	144
Sunday	6/21/2020	42	42	84
Monday	6/22/2020	86	86	172
Tuesday	6/23/2020	73	73	146
Wednesday	6/24/2020	80	80	160
Thursday	6/25/2020	60	60	120
Friday	6/26/2020	84	84	168
Saturday	6/27/2020	65	65	130
Sunday	6/28/2020	43	43	86
Monday	6/29/2020	82	82	164
Tuesday	6/30/2020	67	67	134
<b>Total</b>		<b>4,551</b>	<b>4,551</b>	<b>9,102</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	225	2.5	4.9
7:00 AM	231	2.6	5.1
8:00 AM	142	1.6	3.1
9:00 AM	163	1.8	3.6
10:00 AM	246	2.7	5.4
11:00 AM	281	3.1	6.2
12:00 PM	289	3.2	6.4
1:00 PM	418	4.6	9.2
2:00 PM	505	5.6	11.1
3:00 PM	416	4.6	9.1
4:00 PM	573	6.4	12.6
5:00 PM	586	6.5	12.9
6:00 PM	203	2.3	4.5
7:00 PM	112	1.2	2.5
8:00 PM	88	1.0	1.9
9:00 PM	70	0.8	1.5
10:00 PM	3	0.0	0.1
11:00 PM	0	0.0	0.0
12:00 AM	0	0.0	0.0
<b>Total</b>	<b>4,551</b>	<b>50.6</b>	<b>100.0</b>

**Daily Average**

Average Trips per Weekday	113
Average Trips per Saturday	88
Average Trips per Sunday	57

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	212	2.4	2.4	4.7	4.7%
2550 Patterson	EB	9272	19	0.2	0.2	0.4	0.4%
Mary Free Bed YMCA	EB	9274	8	0.1	0.1	0.2	0.2%
Cascade Meijer	EB/WB	9275	2,012	22.4	22.4	44.7	44.2%
28th and Charlevoix	EB	9277	187	2.1	2.1	4.2	4.1%
28th and Lucerne	EB	9279	65	0.7	0.7	1.4	1.4%
28th and Cascade Center	EB	9281	9	0.1	0.1	0.2	0.2%
28th and Thornhills	WB	9283	12	0.1	0.1	0.3	0.3%
28th and Jacksmith	EB	9284	8	0.1	0.1	0.2	0.2%
28th and Cascade Rd	EB/WB	9286	159	1.8	1.8	3.5	3.5%
28th and Thornhills	WB	9288	86	1.0	1.0	1.9	1.9%
28th and Charlevoix Woods	WB	9290	25	0.3	0.3	0.6	0.5%
28th and Lucerne	WB	9292	28	0.3	0.3	0.6	0.5%
28th and Charlevoix	WB	9294	616	6.8	6.8	13.7	13.5%
28th and Northern	WB	9298	521	5.8	5.8	11.6	11.4%
28th and Patterson	WB	9300	584	6.5	6.5	13.0	12.8%
<b>Total</b>			<b>4,551</b>	<b>50.6</b>	<b>50.6</b>	<b>101.1</b>	<b>100.0%</b>

**Trips Per Day**

Date	Boardings	Alightings	Total Trips
Wednesday 7/1/2020	85	104	189
Thursday 7/2/2020	78	99	177
Friday 7/3/2020	102	125	227
Saturday 7/4/2020	<i>No service - Independence Day</i>		
Sunday 7/5/2020	60	46	106
Monday 7/6/2020	100	105	205
Tuesday 7/7/2020	106	112	218
Wednesday 7/8/2020	120	117	237
Thursday 7/9/2020	104	106	210
Friday 7/10/2020	111	154	265
Saturday 7/11/2020	90	90	180
Sunday 7/12/2020	44	50	94
Monday 7/13/2020	138	112	250
Tuesday 7/14/2020	90	100	190
Wednesday 7/15/2020	127	119	246
Thursday 7/16/2020	109	108	217
Friday 7/17/2020	126	120	246
Saturday 7/18/2020	92	88	180
Sunday 7/19/2020	38	42	80
Monday 7/20/2020	90	99	189
Tuesday 7/21/2020	118	117	235
Wednesday 7/22/2020	107	129	236
Thursday 7/23/2020	99	104	203
Friday 7/24/2020	100	119	219
Saturday 7/25/2020	84	87	171
Sunday 7/26/2020	76	61	137
Monday 7/27/2020	85	100	185
Tuesday 7/28/2020	117	119	236
Wednesday 7/29/2020	89	90	179
Thursday 7/30/2020	128	122	250
Friday 7/31/2020	110	115	225
Saturday 8/1/2020	42	41	83
Sunday 8/2/2020	41	42	83
Monday 8/3/2020	100	96	196
Tuesday 8/4/2020	100	107	207
Wednesday 8/5/2020	96	99	195
Thursday 8/6/2020	110	103	213
Friday 8/7/2020	89	100	189
Saturday 8/8/2020	60	74	134
Sunday 8/9/2020	47	53	100
Monday 8/10/2020	82	93	175
Tuesday 8/11/2020	89	95	185
Wednesday 8/12/2020	95	109	204
Thursday 8/13/2020	92	95	187
Friday 8/14/2020	93	104	197
Saturday 8/15/2020	60	73	133
Sunday 8/16/2020	65	157	222
Monday 8/17/2020	99	111	210
Tuesday 8/18/2020	75	72	147
Wednesday 8/19/2020	72	64	136
Thursday 8/20/2020	100	103	203
Friday 8/21/2020	101	106	207
Saturday 8/22/2020	56	53	109
Sunday 8/23/2020	69	70	139
Monday 8/24/2020	86	94	180
Tuesday 8/25/2020	100	96	196
Wednesday 8/26/2020	98	82	180
Thursday 8/27/2020	98	91	189
Friday 8/28/2020	99	99	198
Saturday 8/29/2020	79	73	152
Sunday 8/30/2020	56	56	112
Monday 8/31/2020	105	103	208
Tuesday 9/1/2020	102	104	206
Wednesday 9/2/2020	109	99	208
Thursday 9/3/2020	106	143	249
Friday 9/4/2020	127	117	244
Saturday 9/5/2020	65	73	138
Sunday 9/6/2020	49	45	94
Monday 9/7/2020	<i>No service - Labor Day</i>		
Tuesday 9/8/2020	85	94	179
Wednesday 9/9/2020	104	101	205
Thursday 9/10/2020	86	97	183
Friday 9/11/2020	96	108	204
Saturday 9/12/2020	78	83	161
Sunday 9/13/2020	40	44	84
Monday 9/14/2020	105	112	217
Tuesday 9/15/2020	111	104	215
Wednesday 9/16/2020	140	145	285
Thursday 9/17/2020	99	108	207
Friday 9/18/2020	94	96	190
Saturday 9/19/2020	63	68	131
Sunday 9/20/2020	50	45	95
Monday 9/21/2020	92	104	196
Tuesday 9/22/2020	75	88	143
Wednesday 9/23/2020	95	98	193
Thursday 9/24/2020	111	110	221
Friday 9/25/2020	119	120	239
Saturday 9/26/2020	70	72	142
Sunday 9/27/2020	36	36	72
Monday 9/28/2020	82	96	178
Tuesday 9/29/2020	123	132	255
Wednesday 9/30/2020	89	93	182
<b>Total</b>	<b>8,078</b>	<b>8,489</b>	<b>16,567</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	354	3.9	4.4
7:00 AM	442	4.9	5.5
8:00 AM	368	4.1	4.6
9:00 AM	406	4.5	5.0
10:00 AM	439	4.9	5.4
11:00 AM	534	5.9	6.6
12:00 PM	436	4.8	5.4
1:00 PM	647	7.2	8.0
2:00 PM	690	7.7	8.5
3:00 PM	629	7.0	7.8
4:00 PM	724	8.0	9.0
5:00 PM	755	8.4	9.3
6:00 PM	546	6.1	6.8
7:00 PM	385	4.3	4.8
8:00 PM	325	3.6	4.0
9:00 PM	375	4.2	4.6
10:00 PM	23	0.3	0.3
11:00 PM	0	0.0	0.0
12:00 AM	0	0.0	0.0
<b>Total</b>	<b>8,078</b>	<b>89.8</b>	<b>100.0</b>

**Daily Average**

Average Trips per Weekday	207
Average Trips per Saturday	143
Average Trips per Sunday	109

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Total Alightings	Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	236	2.6	1,110	12.3	15.0	8.1%
25th Patterson	EB	9272	14	0.2	159	1.8	1.9	1.0%
Mary Flee Bed YMCA	EB	9274	63	0.7	83	0.9	1.6	0.9%
Cascade Meijer	EB/WB	9275	4,508	50.1	4,555	50.6	100.7	54.7%
28th and Charlevoix	EB	9277	246	2.7	1,205	13.4	16.1	8.8%
28th and Lucerne	EB	9279	86	1.0	242	2.7	3.6	2.0%
28th and Cascade Center	EB	9281	11	0.1	105	1.2	1.3	0.7%
28th and Thornhills	WB	9283	15	0.2	139	1.5	1.7	0.9%
28th and Jacksmith	EB	9284	42	0.5	69	0.8	1.2	0.7%
28th and Cascade Rd	EB/WB	9286	354	3.9	311	3.5	7.4	4.0%
28th and Thornhills	WB	9288	191	2.1	116	1.3	3.4	1.9%
28th and Charlevoix Woods	WB	9290	59	0.7	3	0.0	0.7	0.4%
28th and Lucerne	WB	9292	57	0.6	9	0.1	0.7	0.4%
28th and Charlevoix	WB	9294	820	9.1	63	0.7	9.8	5.3%
28th and Northern	WB	9298	656	7.3	160	1.8	9.1	4.9%
28th and Patterson	WB	9300	720	8.0	160	1.8	9.8	5.3%
<b>Total</b>			<b>8,078</b>	<b>89.8</b>	<b>8,489</b>	<b>94.3</b>	<b>184.1</b>	<b>100.0%</b>

**Trips Per Day**

	Date	Boardings	Alightings	Total Trips
Thursday	10/1/2020	99	93	192
Friday	10/2/2020	108	113	221
Saturday	10/3/2020	64	64	148
Sunday	10/4/2020	28	33	61
Monday	10/5/2020	105	100	205
Tuesday	10/6/2020	90	92	182
Wednesday	10/7/2020	297	260	557
Thursday	10/8/2020	105	105	210
Friday	10/9/2020	116	135	251
Saturday	10/10/2020	81	82	163
Sunday	10/11/2020	44	27	71
Monday	10/12/2020	94	101	195
Tuesday	10/13/2020	101	99	200
Wednesday	10/14/2020	75	84	159
Thursday	10/15/2020	108	102	210
Friday	10/16/2020	94	111	205
Saturday	10/17/2020	64	71	135
Sunday	10/18/2020	44	42	86
Monday	10/19/2020	110	117	227
Tuesday	10/20/2020	81	91	172
Wednesday	10/21/2020	81	80	161
Thursday	10/22/2020	99	109	208
Friday	10/23/2020	86	88	174
Saturday	10/24/2020	112	160	272
Sunday	10/25/2020	37	38	75
Monday	10/26/2020	72	76	148
Tuesday	10/27/2020	94	106	200
Wednesday	10/28/2020	71	83	154
Thursday	10/29/2020	105	112	217
Friday	10/30/2020	84	102	186
Saturday	10/31/2020	60	54	114
Sunday	11/1/2020	45	39	84
Monday	11/2/2020	110	112	222
Tuesday	11/3/2020	80	75	155
Wednesday	11/4/2020	74	72	146
Thursday	11/5/2020	111	113	224
Friday	11/6/2020	95	90	185
Saturday	11/7/2020	88	73	161
Sunday	11/8/2020	43	38	81
Monday	11/9/2020	102	103	205
Tuesday	11/10/2020	81	93	174
Wednesday	11/11/2020	91	116	207
Thursday	11/12/2020	107	119	226
Friday	11/13/2020	94	93	187
Saturday	11/14/2020	70	75	145
Sunday	11/15/2020	42	40	82
Monday	11/16/2020	80	93	173
Tuesday	11/17/2020	78	83	161
Wednesday	11/18/2020	95	95	190
Thursday	11/19/2020	101	110	211
Friday	11/20/2020	93	113	206
Saturday	11/21/2020	78	85	163
Sunday	11/22/2020	24	26	50
Monday	11/23/2020	99	98	197
Tuesday	11/24/2020	122	120	242
Wednesday	11/25/2020	81	88	169
Thursday	11/26/2020	<i>No service - Thanksgiving Day</i>		
Friday	11/27/2020	354	310	664
Saturday	11/28/2020	60	71	131
Sunday	11/29/2020	41	41	82
Monday	11/30/2020	84	87	171
Tuesday	12/1/2020	429	329	758
Wednesday	12/2/2020	83	87	170
Thursday	12/3/2020	77	60	137
Friday	12/4/2020	67	79	146
Saturday	12/5/2020	87	102	189
Sunday	12/6/2020	40	35	75
Monday	12/7/2020	99	79	178
Tuesday	12/8/2020	92	94	186
Wednesday	12/9/2020	155	189	344
Thursday	12/10/2020	107	98	205
Friday	12/11/2020	70	71	141
Saturday	12/12/2020	49	51	100
Sunday	12/13/2020	22	19	41
Monday	12/14/2020	90	88	178
Tuesday	12/15/2020	45	49	94
Wednesday	12/16/2020	82	94	176
Thursday	12/17/2020	55	64	119
Friday	12/18/2020	95	106	201
Saturday	12/19/2020	46	51	97
Sunday	12/20/2020	45	37	82
Monday	12/21/2020	52	46	98
Tuesday	12/22/2020	83	72	155
Wednesday	12/23/2020	98	97	195
Thursday	12/24/2020	54	65	119
Friday	12/25/2020	<i>No service - Christmas Day</i>		
Saturday	12/26/2020	86	93	179
Sunday	12/27/2020	44	31	75
Monday	12/28/2020	92	83	175
Tuesday	12/29/2020	109	108	217
Wednesday	12/30/2020	86	90	176
Thursday	12/31/2020	83	73	156
<b>Total</b>		<b>8,054</b>	<b>8,161</b>	<b>16,215</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	605	6.7	7.5
7:00 AM	465	5.2	5.8
8:00 AM	569	6.3	7.1
9:00 AM	299	3.3	3.7
10:00 AM	495	5.5	6.1
11:00 AM	434	4.8	5.4
12:00 PM	433	4.8	5.4
1:00 PM	512	5.7	6.4
2:00 PM	702	7.8	8.7
3:00 PM	579	6.4	7.2
4:00 PM	724	8.0	9.0
5:00 PM	602	6.7	7.5
6:00 PM	596	6.6	7.4
7:00 PM	406	4.5	5.0
8:00 PM	367	4.1	4.6
9:00 PM	259	2.9	3.2
10:00 PM	7	0.1	0.1
11:00 PM	0	0.0	0.0
12:00 AM	0	0.0	0.0
<b>Total</b>	<b>8,054</b>	<b>89.5</b>	<b>100.0</b>

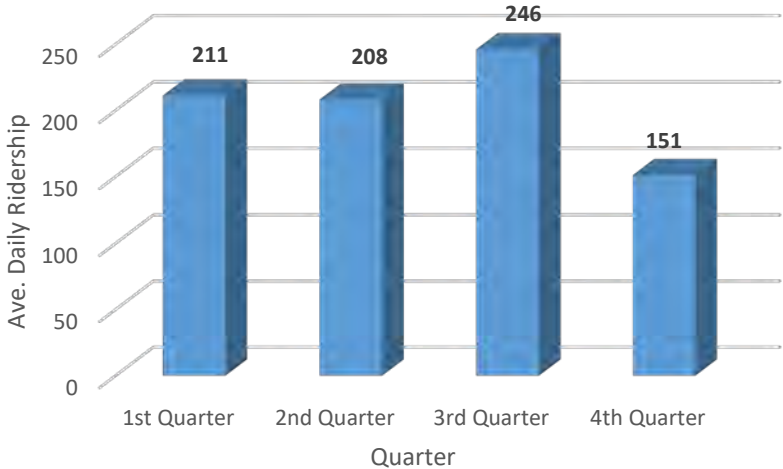
**Daily Average**

Average Trips per Weekday	207
Average Trips per Saturday	145
Average Trips per Sunday	73

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Total Alightings	Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	216	2.4	1,179	13.1	15.5	8.6%
2550 Patterson	EB	9272	16	0.2	132	1.5	1.6	0.9%
Mary Free Bed YMCA	EB	9274	34	0.4	66	0.7	1.1	0.6%
Cascade Meijer	EB/WB	9275	4,821	53.6	4,584	50.9	104.5	58.0%
28th and Charlevok	EB	9277	101	1.1	1,021	11.3	12.5	6.9%
28th and Lucerne	EB	9279	85	0.9	252	2.8	3.7	2.1%
28th and Cascade Center	EB	9281	17	0.2	97	1.1	1.3	0.7%
28th and Thornhills	WB	9283	27	0.3	149	1.7	2.0	1.1%
28th and Jacksmith	EB	9284	25	0.3	42	0.5	0.7	0.4%
28th and Cascade Rd	EB/WB	9286	260	2.9	255	2.8	5.7	3.2%
28th and Thornhills	WB	9288	151	1.7	40	0.4	2.1	1.2%
28th and Charlevok Woods	WB	9290	46	0.5	3	0.0	0.5	0.3%
28th and Lucerne	WB	9292	89	1.0	3	0.0	1.0	0.6%
28th and Charlevok	WB	9294	692	7.7	47	0.5	8.2	4.6%
28th and Northern	WB	9298	796	8.8	143	1.6	10.4	5.8%
28th and Patterson	WB	9300	678	7.5	148	1.6	9.2	5.1%
<b>Total</b>			<b>8,054</b>	<b>89.5</b>	<b>8,161</b>	<b>90.7</b>	<b>180.2</b>	<b>100.0%</b>

# Rapid 28th Street - FY2019 4th Quarter Ridership Data

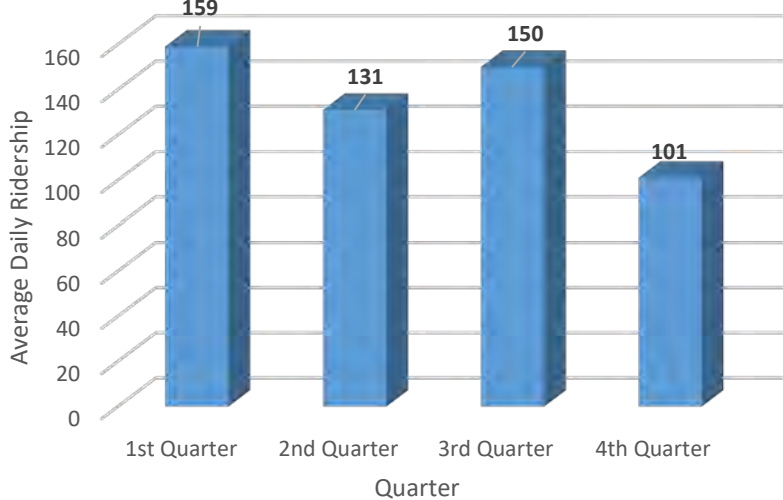
Rapid - 28th Street Weekday Ridership



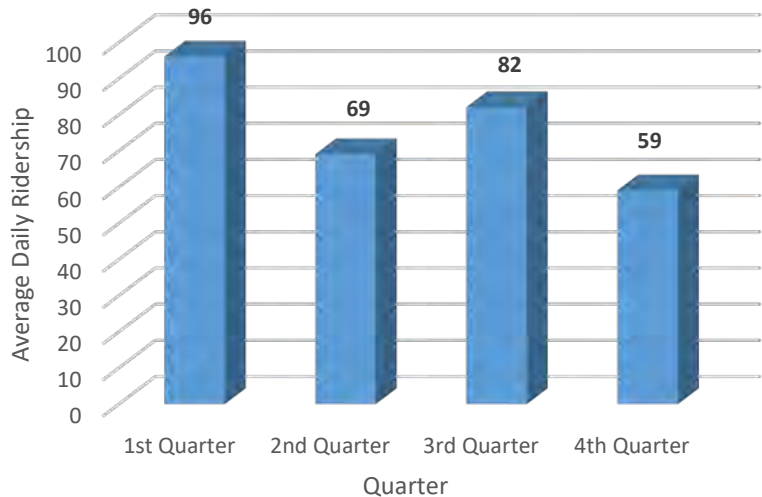
The Rapid collects realtime boarding data and no longer relies on sampling estimates. Alightings are still estimated, with one alighting estimated per boarding. The riders summary is charted on this sheet, while actual rider data and ridership logs are available upon request. Based on data from 2018 and 2019, it appears the ridership has matured, and changes in ridership patterns are due more to changes along the route than the availability of the service.

Through 3rd Quarter 2019, average weekday ridership has begun to creep up again after two quarters of down ridership. The decrease in ridership is more than likely related to the closure of businesses (i.e. Teleperformance) with high ridership numbers. First and second quarter numbers were also likely effected by a colder than normal winter and wetter than normal spring, which can effect the number of "voluntary" riders.

Rapid - 28th Street Saturday Ridership



Rapid - 28th Street Sunday Ridership



# Rapid 28th Street - FY2019 4th Quarter Financial Data

Cascade Township funds the 28th Street Linehaul service on a "per service hour" formula, which is \$68.48 per service hour for the 4th Quarter of 2019 (and was \$62.34 for the first 3 quarters.) Based on the hours of service, the Township pays the following "per day" costs:

**Weekday - \$1,232.64   Saturday - \$821.76   Sunday - \$410.88**

Because the costs per day are fixed, the subsidy that is spent per rider is variable based on the volume of riders, the more riders that utilize the service the lower the subsidy per rider paid by the Township. In 4th Quarter 2019 the per ride subsidy for weekdays was significantly higher than in the previous 3 quarters this is due to two items, the amount of riders decreasing, and the cost charged by ITP to the Township increasing. You will see similar increases to both the Saturday and Sunday subsidy per rider as well.

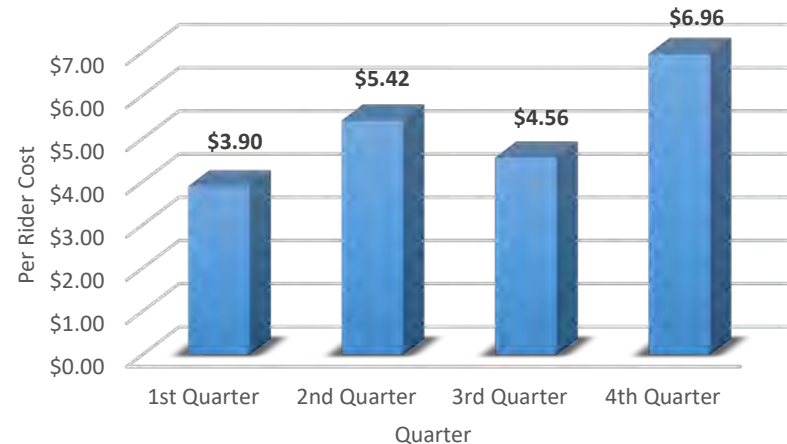
### Rapid - 28th Street Weekday Per Rider Cost



### Rapid - 28th Street Saturday Per Rider Cost

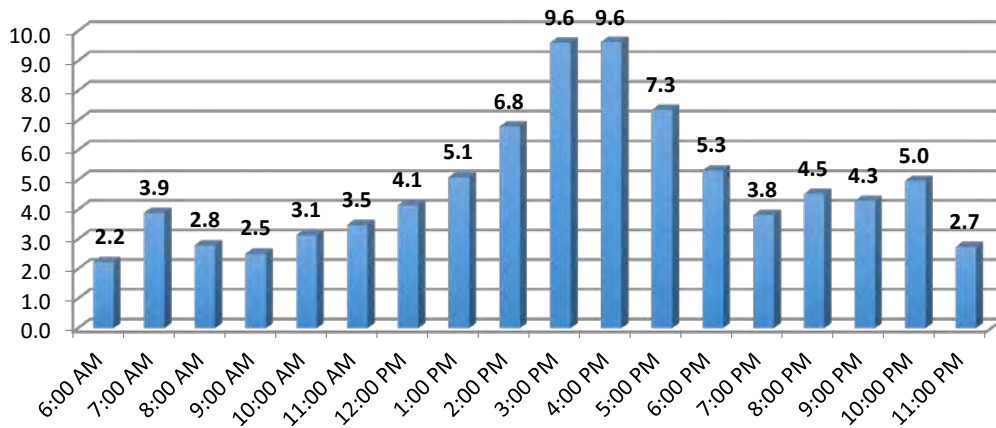


### Rapid - 28th Street Sunday Per Rider Costs



# Rapid 28th Street - FY 2019 4th Quarter Hourly Boarding Data

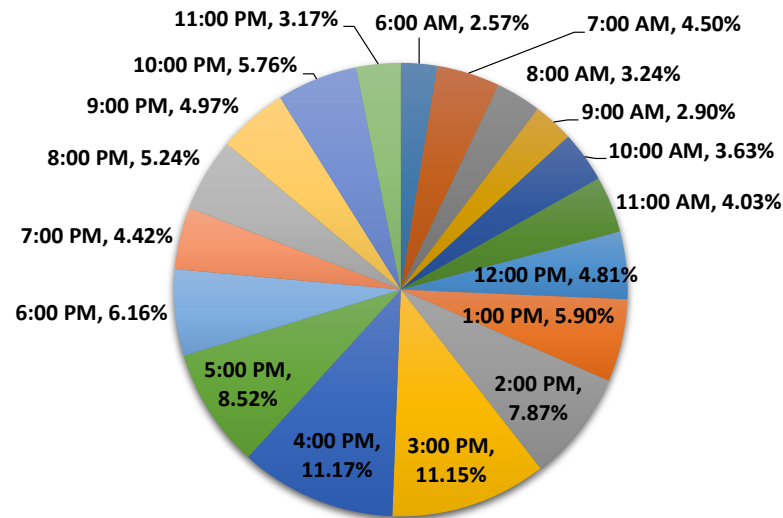
## Average Boardings By Hour (All Days)



The Rapid busses are outfitted with data collection devices that count every boarding in the system. The top chart represents the amount of boardings, per hour of service, for all of the Cascade Township stops. The data collection system does not collect alighting information. It should be noted that the data is for all days (week day and weekend days). The chart continues to follow the same trend seen in previous charts, with peak ridership mid-day.

The bottom chart represents the same data set as the top chart, but expressed as a percentage of total boardings rather than a number. The smallest percentage of boardings happens in the 6 am hour (2.57%) and the largest occurs in the 4 pm hour (11.75%).

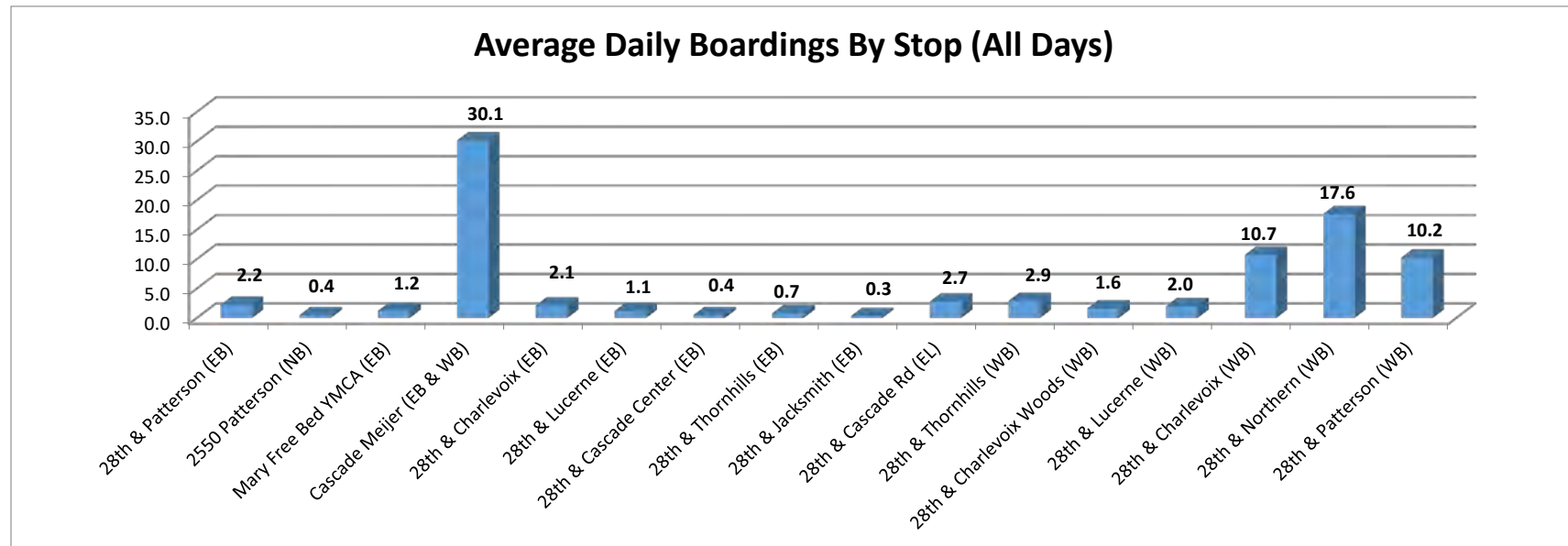
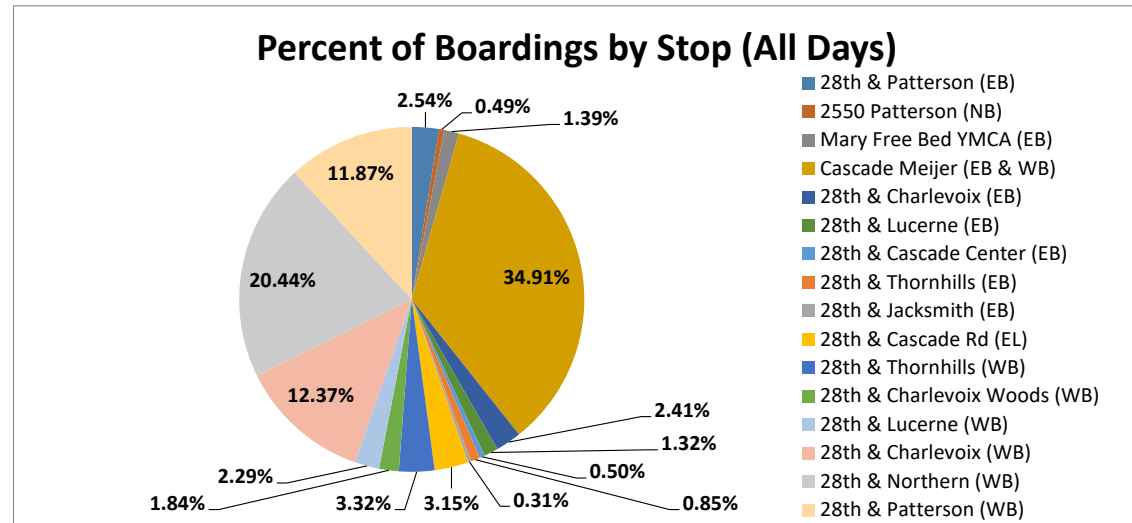
## Percent of Total Boardings (All Days)



# Rapid 28th Street - FY 2019 4th Quarter Stop Boarding Data

The Rapid bus data collection system also collects stop location data for boardings. By far the largest amount of stops occur at the Meijer stop, though it should be noted that this stop is utilized both EB and WB on the route. The boardings patterns shows that the ridership constitutes primarily riders coming into Cascade. It should also be noted that a rider may not board and alight at the same location. Some will alight on an EB stop and board on a WB stop.

The bottom chart represents the same data set as the top chart, but expressed as the average boardings per day for each stop. The Meijer stop has the highest number (30.1) while several stops average less than 5 boardings per day. It should be noted the data represents all weekdays and weekend days.



# 2019 Raw Ridership Data

## Trips Per Day

Date	Boardings	Estimated Alightings	Estimated Total Trips
1/1/2019	0	0	0
1/2/2019	106	106	212
1/3/2019	121	121	242
1/4/2019	132	132	264
1/5/2019	87	87	174
1/6/2019	45	45	90
1/7/2019	90	90	180
1/8/2019	110	110	220
1/9/2019	121	121	242
1/10/2019	121	121	242
1/11/2019	119	119	238
1/12/2019	76	76	152
1/13/2019	49	49	98
1/14/2019	89	89	178
1/15/2019	93	93	186
1/16/2019	94	94	188
1/17/2019	99	99	198
1/18/2019	115	115	230
1/19/2019	62	62	124
1/20/2019	40	40	80
1/21/2019	59	59	118
1/22/2019	72	72	144
1/23/2019	109	109	218
1/24/2019	123	123	246
1/25/2019	103	103	206
1/26/2019	79	79	158
1/27/2019	48	48	96
1/28/2019	65	65	130
1/29/2019	46	46	92
1/30/2019	39	39	78
1/31/2019	68	68	136
2/1/2019	84	84	168
2/2/2019	66	66	132
2/3/2019	49	49	98
2/4/2019	83	83	166
2/5/2019	88	88	176
2/6/2019	117	117	234
2/7/2019	105	105	210
2/8/2019	94	94	188
2/9/2019	75	75	150
2/10/2019	44	44	88
2/11/2019	119	119	238
2/12/2019	93	93	186
2/13/2019	129	129	258
2/14/2019	124	124	248
2/15/2019	106	106	212
2/16/2019	89	89	178
2/17/2019	45	45	90
2/18/2019	88	88	176
2/19/2019	104	104	208
2/20/2019	119	119	238
2/21/2019	114	114	228
2/22/2019	115	115	230
2/23/2019	80	80	160
2/24/2019	34	34	68
2/25/2019	90	90	180
2/26/2019	95	95	190
2/27/2019	95	95	190
2/28/2019	119	119	238
3/1/2019	107	107	214
3/2/2019	100	100	200
3/3/2019	85	85	170
3/4/2019	80	80	160
3/5/2019	67	67	134
3/6/2019	102	102	204
3/7/2019	129	129	258
3/8/2019	117	117	234
3/9/2019	88	88	176
3/10/2019	47	47	94
3/11/2019	110	110	220
3/12/2019	136	136	272
3/13/2019	134	134	268
3/14/2019	133	133	266
3/15/2019	117	117	234
3/16/2019	80	80	160
3/17/2019	41	41	82
3/18/2019	123	123	246
3/19/2019	116	116	232
3/20/2019	120	120	240
3/21/2019	138	138	276
3/22/2019	123	123	246
3/23/2019	62	62	124
3/24/2019	42	42	84
3/25/2019	112	112	224
3/26/2019	101	101	202
3/27/2019	165	165	330
3/28/2019	119	119	238
3/29/2019	118	118	236
3/30/2019	89	89	178
3/31/2019	55	55	110
<b>Total</b>	<b>8,299</b>	<b>8,299</b>	<b>16,598</b>

## Boardings by Time of Day

Time	Number of Boardings	Average Boardings/Day	Percent of Total
5:00 AM	194	2.2	2.3
7:00 AM	371	4.1	4.5
8:00 AM	262	2.9	3.2
9:00 AM	249	2.8	3.0
10:00 AM	214	2.4	2.6
11:00 AM	309	3.4	3.7
12:00 PM	370	4.1	4.5
1:00 PM	526	5.8	6.3
2:00 PM	653	7.3	7.9
3:00 PM	891	9.9	10.7
4:00 PM	957	10.6	11.5
5:00 PM	687	7.6	8.3
6:00 PM	540	6.0	6.5
7:00 PM	398	4.4	4.8
8:00 PM	474	5.3	5.7
9:00 PM	451	5.0	5.4
10:00 PM	521	5.8	6.3
11:00 PM	232	2.6	2.8
12:00 AM	0	0.0	0.0
<b>Total</b>	<b>8,299</b>	<b>92.2</b>	<b>100.0</b>

## Daily Average

Average Trips per Weekday	211
Average Trips per Saturday	159
Average Trips per Sunday	96

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	180	2.0	2.0	4.0	2.2%
2550 Patterson	EB	9272	31	0.3	0.3	0.7	0.4%
Mary Free Bed YMCA	EB	9274	112	1.3	1.3	2.5	1.3%
Cascade Meijer	EB/WB	9275	2,827	31.8	31.8	63.5	34.1%
28th and Charlevoix	EB	9277	147	1.7	1.7	3.3	1.8%
28th and Lucerne	EB	9279	152	1.7	1.7	3.4	1.8%
28th and Cascade Center	EB	9281	47	0.5	0.5	1.1	0.6%
28th and Thornhills	WB	9283	88	1.0	1.0	2.0	1.1%
28th and Jacksmith	EB	9284	21	0.2	0.2	0.5	0.3%
28th and Cascade Rd	EB/WB	9286	254	2.9	2.9	5.7	3.1%
28th and Thornhills	WB	9288	339	3.8	3.8	7.6	4.1%
28th and Charlevoix Woods	WB	9290	106	1.2	1.2	2.4	1.3%
28th and Lucerne	WB	9292	258	2.9	2.9	5.8	3.1%
28th and Charlevoix	WB	9294	1,184	13.3	13.3	26.6	14.3%
28th and Northern	WB	9298	1,624	18.2	18.2	36.5	19.6%
28th and Patterson	WB	9300	929	10.4	10.4	20.9	11.2%
<b>Total</b>			<b>8,299</b>	<b>93.2</b>	<b>93.2</b>	<b>186.5</b>	<b>100.0%</b>

**Trips Per Day**

Date	Boardings	Estimated Alightings	Estimated Total Trips
Monday 4/1/2019	97	97	194
Tuesday 4/2/2019	65	65	130
Wednesday 4/3/2019	153	153	306
Thursday 4/4/2019	115	115	230
Friday 4/5/2019	116	116	232
Saturday 4/6/2019	82	82	164
Sunday 4/7/2019	37	37	74
Monday 4/8/2019	101	101	202
Tuesday 4/9/2019	88	88	176
Wednesday 4/10/2019	112	112	224
Thursday 4/11/2019	107	107	214
Friday 4/12/2019	100	100	200
Saturday 4/13/2019	70	70	140
Sunday 4/14/2019	36	36	72
Monday 4/15/2019	97	97	194
Tuesday 4/16/2019	126	126	252
Wednesday 4/17/2019	97	97	194
Thursday 4/18/2019	119	119	238
Friday 4/19/2019	102	102	204
Saturday 4/20/2019	78	78	156
Sunday 4/21/2019	22	22	44
Monday 4/22/2019	104	104	208
Tuesday 4/23/2019	76	76	152
Wednesday 4/24/2019	72	72	144
Thursday 4/25/2019	101	101	202
Friday 4/26/2019	92	92	184
Saturday 4/27/2019	74	74	148
Sunday 4/28/2019	35	35	70
Monday 4/29/2019	87	87	174
Tuesday 4/30/2019	88	88	176
Wednesday 5/1/2019	79	79	158
Thursday 5/2/2019	109	109	218
Friday 5/3/2019	27	27	54
Saturday 5/4/2019	68	68	136
Sunday 5/5/2019	24	24	48
Monday 5/6/2019	86	86	172
Tuesday 5/7/2019	98	98	196
Wednesday 5/8/2019	106	106	212
Thursday 5/9/2019	111	111	222
Friday 5/10/2019	159	159	318
Saturday 5/11/2019	63	63	126
Sunday 5/12/2019	27	27	54
Monday 5/13/2019	84	84	168
Tuesday 5/14/2019	99	99	198
Wednesday 5/15/2019	88	88	176
Thursday 5/16/2019	130	130	260
Friday 5/17/2019	103	103	206
Saturday 5/18/2019	67	67	134
Sunday 5/19/2019	32	32	64
Monday 5/20/2019	96	96	192
Tuesday 5/21/2019	72	72	144
Wednesday 5/22/2019	114	114	228
Thursday 5/23/2019	124	124	248
Friday 5/24/2019	111	111	222
Saturday 5/25/2019	30	30	60
Sunday 5/26/2019	36	36	72
Monday 5/27/2019	<i>Memorial Day - NO SERVICE</i>		
Tuesday 5/28/2019	104	104	208
Wednesday 5/29/2019	96	96	192
Thursday 5/30/2019	77	77	154
Friday 5/31/2019	109	109	218
Saturday 6/1/2019	58	58	116
Sunday 6/2/2019	29	29	58
Monday 6/3/2019	95	95	190
Tuesday 6/4/2019	93	93	186
Wednesday 6/5/2019	122	122	244
Thursday 6/6/2019	112	112	224
Friday 6/7/2019	117	117	234
Saturday 6/8/2019	69	69	138
Sunday 6/9/2019	31	31	62
Monday 6/10/2019	77	77	154
Tuesday 6/11/2019	100	100	200
Wednesday 6/12/2019	168	168	336
Thursday 6/13/2019	75	75	150
Friday 6/14/2019	97	97	194
Saturday 6/15/2019	62	62	124
Sunday 6/16/2019	46	46	92
Monday 6/17/2019	101	101	202
Tuesday 6/18/2019	103	103	206
Wednesday 6/19/2019	112	112	224
Thursday 6/20/2019	112	112	224
Friday 6/21/2019	101	101	202
Saturday 6/22/2019	58	58	116
Sunday 6/23/2019	42	42	84
Monday 6/24/2019	112	112	224
Tuesday 6/25/2019	149	149	298
Wednesday 6/26/2019	133	133	266
Thursday 6/27/2019	164	164	328
Friday 6/28/2019	108	108	216
Saturday 6/29/2019	71	71	142
Sunday 6/30/2019	49	49	98
<b>Total</b>	<b>7,944</b>	<b>7,944</b>	<b>15,888</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
5:00 AM	213	2.4	2.7
7:00 AM	346	3.8	4.4
8:00 AM	248	2.8	3.1
9:00 AM	220	2.4	2.8
10:00 AM	321	3.6	4.0
11:00 AM	373	4.1	4.7
12:00 PM	395	4.4	5.0
1:00 PM	447	5.0	5.6
2:00 PM	571	6.3	7.2
3:00 PM	907	10.1	11.4
4:00 PM	886	9.8	11.2
5:00 PM	634	7.0	8.0
6:00 PM	504	5.6	6.3
7:00 PM	331	3.7	4.2
8:00 PM	428	4.8	5.4
9:00 PM	386	4.3	4.9
10:00 PM	429	4.8	5.4
11:00 PM	298	3.3	3.8
12:00 AM	7	0.1	0.1
<b>Total</b>	<b>7,944</b>	<b>88.3</b>	<b>100.0</b>

**Daily Average**

Average Trips per Weekday	208
Average Trips per Saturday	131
Average Trips per Sunday	69

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	225	2.5	2.5	5.1	2.8%
2550 Patterson	EB	9272	43	0.5	0.5	1.0	0.5%
Mary Free Bed YMCA	EB	9274	110	1.2	1.2	2.5	1.4%
Cascade Meijer	EB/WB	9275	2,820	31.7	31.7	63.4	35.5%
28th and Charlevoix	EB	9277	87	1.0	1.0	2.0	1.1%
28th and Lucerne	EB	9279	73	0.8	0.8	1.6	0.9%
28th and Cascade Center	EB	9281	37	0.4	0.4	0.8	0.5%
28th and Thornhills	WB	9283	65	0.7	0.7	1.5	0.8%
28th and Jacksmith	EB	9284	16	0.2	0.2	0.4	0.2%
28th and Cascade Rd	EB/WB	9286	212	2.4	2.4	4.8	2.7%
28th and Thornhills	WB	9288	296	3.3	3.3	6.7	3.7%
28th and Charlevoix Woods	WB	9290	165	1.9	1.9	3.7	2.1%
28th and Lucerne	WB	9292	187	2.1	2.1	4.2	2.4%
28th and Charlevoix	WB	9294	1,028	11.6	11.6	23.1	12.9%
28th and Northern	WB	9298	1,641	18.4	18.4	36.9	20.7%
28th and Patterson	WB	9300	939	10.6	10.6	21.1	11.8%
<b>Total</b>			<b>7,944</b>	<b>89.3</b>	<b>89.3</b>	<b>178.5</b>	<b>100.0%</b>

**Trips Per Day**

Date	Boardings	Estimated Alightings	Estimated Total Trips
Monday 7/1/2019	117	117	234
Tuesday 7/2/2019	125	125	250
Wednesday 7/3/2019	175	175	350
Thursday 7/4/2019	<i>Fourth of July - NO SERVICE</i>		
Friday 7/5/2019	118	118	236
Saturday 7/6/2019	56	56	112
Sunday 7/7/2019	42	42	84
Monday 7/8/2019	135	135	270
Tuesday 7/9/2019	115	115	230
Wednesday 7/10/2019	136	136	272
Thursday 7/11/2019	107	107	214
Friday 7/12/2019	135	135	270
Saturday 7/13/2019	81	81	162
Sunday 7/14/2019	52	52	104
Monday 7/15/2019	155	155	310
Tuesday 7/16/2019	110	110	220
Wednesday 7/17/2019	132	132	264
Thursday 7/18/2019	248	248	496
Friday 7/19/2019	173	173	346
Saturday 7/20/2019	141	141	282
Sunday 7/21/2019	38	38	76
Monday 7/22/2019	101	101	202
Tuesday 7/23/2019	98	98	196
Wednesday 7/24/2019	101	101	202
Thursday 7/25/2019	118	118	236
Friday 7/26/2019	126	126	252
Saturday 7/27/2019	77	77	154
Sunday 7/28/2019	54	54	108
Monday 7/29/2019	123	123	246
Tuesday 7/30/2019	115	115	230
Wednesday 7/31/2019	132	132	264
Thursday 8/1/2019	118	118	236
Friday 8/2/2019	148	148	296
Saturday 8/3/2019	83	83	166
Sunday 8/4/2019	41	41	82
Monday 8/5/2019	113	113	226
Tuesday 8/6/2019	120	120	240
Wednesday 8/7/2019	93	93	186
Thursday 8/8/2019	101	101	202
Friday 8/9/2019	134	134	268
Saturday 8/10/2019	60	60	120
Sunday 8/11/2019	45	45	90
Monday 8/12/2019	123	123	246
Tuesday 8/13/2019	111	111	222
Wednesday 8/14/2019	115	115	230
Thursday 8/15/2019	139	139	278
Friday 8/16/2019	97	97	194
Saturday 8/17/2019	78	78	156
Sunday 8/18/2019	40	40	80
Monday 8/19/2019	131	131	262
Tuesday 8/20/2019	81	81	162
Wednesday 8/21/2019	135	135	270
Thursday 8/22/2019	112	112	224
Friday 8/23/2019	139	139	278
Saturday 8/24/2019	58	58	116
Sunday 8/25/2019	48	48	96
Monday 8/26/2019	90	90	180
Tuesday 8/27/2019	133	133	266
Wednesday 8/28/2019	162	162	324
Thursday 8/29/2019	140	140	280
Friday 8/30/2019	125	125	250
Saturday 8/31/2019	85	85	170
Sunday 9/1/2019	40	40	80
Monday 9/2/2019	<i>Labor Day - NO SERVICE</i>		
Tuesday 9/3/2019	136	136	272
Wednesday 9/4/2019	114	114	228
Thursday 9/5/2019	138	138	276
Friday 9/6/2019	124	124	248
Saturday 9/7/2019	59	59	118
Sunday 9/8/2019	42	42	84
Monday 9/9/2019	112	112	224
Tuesday 9/10/2019	96	96	192
Wednesday 9/11/2019	109	109	218
Thursday 9/12/2019	127	127	254
Friday 9/13/2019	112	112	224
Saturday 9/14/2019	67	67	134
Sunday 9/15/2019	31	31	62
Monday 9/16/2019	106	106	212
Tuesday 9/17/2019	104	104	208
Wednesday 9/18/2019	127	127	254
Thursday 9/19/2019	95	95	190
Friday 9/20/2019	102	102	204
Saturday 9/21/2019	53	53	106
Sunday 9/22/2019	35	35	70
Monday 9/23/2019	139	139	278
Tuesday 9/24/2019	91	91	182
Wednesday 9/25/2019	111	111	222
Thursday 9/26/2019	129	129	258
Friday 9/27/2019	97	97	194
Saturday 9/28/2019	77	77	154
Sunday 9/29/2019	28	28	56
Monday 9/30/2019	112	112	224
<b>Total</b>	<b>9,347</b>	<b>9,347</b>	<b>18,694</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	196	2.2	2.1
7:00 AM	425	4.7	4.5
8:00 AM	319	3.5	3.4
9:00 AM	286	3.2	3.1
10:00 AM	389	4.3	4.2
11:00 AM	357	4.0	3.8
12:00 PM	460	5.1	4.9
1:00 PM	535	5.9	5.7
2:00 PM	713	7.9	7.6
3:00 PM	1,090	12.1	11.7
4:00 PM	1,011	11.2	10.8
5:00 PM	830	9.2	8.9
6:00 PM	561	6.2	6.0
7:00 PM	401	4.5	4.3
8:00 PM	477	5.3	5.1
9:00 PM	421	4.7	4.5
10:00 PM	541	6.0	5.8
11:00 PM	327	3.6	3.5
12:00 AM	6	0.1	0.1
<b>Total</b>	<b>9,347</b>	<b>103.9</b>	<b>100.0</b>

**Daily Average**

Average Trips per Weekday	246
Average Trips per Saturday	150
Average Trips per Sunday	82

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	238	2.7	2.7	5.3	2.5%
2550 Patterson	EB	9272	48	0.5	0.5	1.1	0.5%
Mary Free Bed YMCA	EB	9274	141	1.6	1.6	3.2	1.5%
Cascade Meijer	EB/WB	9275	3,213	36.1	36.1	72.2	34.4%
28th and Charlevoix	EB	9277	341	3.8	3.8	7.7	3.6%
28th and Lucerne	EB	9279	147	1.7	1.7	3.3	1.6%
28th and Cascade Center	EB	9281	50	0.6	0.6	1.1	0.5%
28th and Thornhills	WB	9283	65	0.7	0.7	1.5	0.7%
28th and Jacksmith	EB	9284	30	0.3	0.3	0.7	0.3%
28th and Cascade Rd	EB/WB	9286	283	3.2	3.2	6.4	3.0%
28th and Thornhills	WB	9288	245	2.8	2.8	5.5	2.6%
28th and Charlevoix Woods	WB	9290	214	2.4	2.4	4.8	2.3%
28th and Lucerne	WB	9292	200	2.2	2.2	4.5	2.1%
28th and Charlevoix	WB	9294	1,051	11.8	11.8	23.6	11.2%
28th and Northern	WB	9298	2,051	23.0	23.0	46.1	21.9%
28th and Patterson	WB	9300	1,030	11.6	11.6	23.1	11.0%
<b>Total</b>			<b>9,347</b>	<b>105.0</b>	<b>105.0</b>	<b>210.0</b>	<b>100.0%</b>

**Trips Per Day**

	Date	Boardings	Estimated Alightings	Estimated Total Trips
Tuesday	10/1/2019	105	105	210
Wednesday	10/2/2019	99	99	198
Thursday	10/3/2019	114	114	228
Friday	10/4/2019	107	107	214
Saturday	10/5/2019	52	52	104
Sunday	10/6/2019	38	38	76
Monday	10/7/2019	95	95	190
Tuesday	10/8/2019	127	127	254
Wednesday	10/9/2019	94	94	188
Thursday	10/10/2019	145	145	290
Friday	10/11/2019	69	69	138
Saturday	10/12/2019	64	64	128
Sunday	10/13/2019	31	31	62
Monday	10/14/2019	89	89	178
Tuesday	10/15/2019	96	96	192
Wednesday	10/16/2019	87	87	174
Thursday	10/17/2019	80	80	160
Friday	10/18/2019	96	96	192
Saturday	10/19/2019	66	66	132
Sunday	10/20/2019	38	38	76
Monday	10/21/2019	68	68	136
Tuesday	10/22/2019	90	90	180
Wednesday	10/23/2019	73	73	146
Thursday	10/24/2019	84	84	168
Friday	10/25/2019	113	113	226
Saturday	10/26/2019	50	50	100
Sunday	10/27/2019	36	36	72
Monday	10/28/2019	102	102	204
Tuesday	10/29/2019	96	96	192
Wednesday	10/30/2019	76	76	152
Thursday	10/31/2019	66	66	132
Friday	11/1/2019	91	91	182
Saturday	11/2/2019	83	83	166
Sunday	11/3/2019	47	47	94
Monday	11/4/2019	85	85	170
Tuesday	11/5/2019	102	102	204
Wednesday	11/6/2019	56	56	112
Thursday	11/7/2019	61	61	122
Friday	11/8/2019	84	84	168
Saturday	11/9/2019	51	51	102
Sunday	11/10/2019	35	35	70
Monday	11/11/2019	94	94	188
Tuesday	11/12/2019	92	92	184
Wednesday	11/13/2019	72	72	144
Thursday	11/14/2019	60	60	120
Friday	11/15/2019	74	74	148
Saturday	11/16/2019	45	45	90
Sunday	11/17/2019	31	31	62
Monday	11/18/2019	60	60	120
Tuesday	11/19/2019	49	49	98
Wednesday	11/20/2019	74	74	148
Thursday	11/21/2019	65	65	130
Friday	11/22/2019	63	63	126
Saturday	11/23/2019	37	37	74
Sunday	11/24/2019	20	20	40
Monday	11/25/2019	90	90	180
Tuesday	11/26/2019	62	62	124
Wednesday	11/27/2019	52	52	104
Thursday	11/28/2019	<i>Thanksgiving - NO SERVICE</i>		
Friday	11/29/2019	59	59	118
Saturday	11/30/2019	22	22	44
Sunday	12/1/2019	22	22	44
Monday	12/2/2019	57	57	114
Tuesday	12/3/2019	73	73	146
Wednesday	12/4/2019	68	68	136
Thursday	12/5/2019	55	55	110
Friday	12/6/2019	76	76	152
Saturday	12/7/2019	43	43	86
Sunday	12/8/2019	21	21	42
Monday	12/9/2019	56	56	112
Tuesday	12/10/2019	54	54	108
Wednesday	12/11/2019	40	40	80
Thursday	12/12/2019	60	60	120
Friday	12/13/2019	76	76	152
Saturday	12/14/2019	48	48	96
Sunday	12/15/2019	25	25	50
Monday	12/16/2019	72	72	144
Tuesday	12/17/2019	57	57	114
Wednesday	12/18/2019	58	58	116
Thursday	12/19/2019	72	72	144
Friday	12/20/2019	55	55	110
Saturday	12/21/2019	51	51	102
Sunday	12/22/2019	20	20	40
Monday	12/23/2019	60	60	120
Tuesday	12/24/2019	37	37	74
Wednesday	12/25/2019	<i>Christmas Day - NO SERVICE</i>		
Thursday	12/26/2019	64	64	128
Friday	12/27/2019	46	46	92
Saturday	12/28/2019	44	44	88
Sunday	12/29/2019	21	21	42
Monday	12/30/2019	55	55	110
Tuesday	12/31/2019	36	36	72
<b>Total</b>		<b>5,886</b>	<b>5,886</b>	<b>11,772</b>

**Boardings by Time of Day**

Time	Number of Boardings	Average Boardings/Day	Percent of Total
6:00 AM	207	2.3	3.5
7:00 AM	275	3.1	4.7
8:00 AM	189	2.1	3.2
9:00 AM	158	1.8	2.7
10:00 AM	219	2.4	3.7
11:00 AM	228	2.5	3.9
12:00 PM	287	3.2	4.9
1:00 PM	348	3.9	5.9
2:00 PM	538	6.0	9.1
3:00 PM	619	6.9	10.5
4:00 PM	660	7.3	11.2
5:00 PM	529	5.9	9.0
6:00 PM	333	3.7	5.7
7:00 PM	260	2.9	4.4
8:00 PM	270	3.0	4.6
9:00 PM	306	3.4	5.2
10:00 PM	320	3.6	5.4
11:00 PM	133	1.5	2.3
12:00 AM	7	0.1	0.1
<b>Total</b>	<b>5,886</b>	<b>65.4</b>	<b>100.0</b>

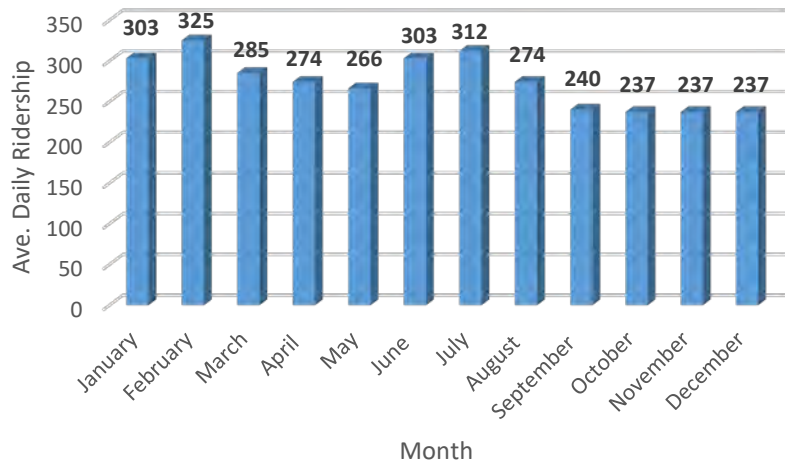
**Daily Average**

Average Trips per Weekday	151
Average Trips per Saturday	101
Average Trips per Sunday	59

Stop	Direction	Stop ID	Total Boardings	Boardings/Day	Estimated Alightings/Day	Total Activity	% of the Total
28th and Patterson	EB	9270	155	1.7	1.7	3.5	2.6%
2550 Patterson	EB	9272	32	0.4	0.4	0.7	0.5%
Mary Free Bed YMCA	EB	9274	74	0.8	0.8	1.7	1.3%
Cascade Meijer	EB/WB	9275	2,128	23.9	23.9	47.8	36.2%
28th and Charlevoix	EB	9277	184	2.1	2.1	4.1	3.1%
28th and Lucerne	EB	9279	44	0.5	0.5	1.0	0.7%
28th and Cascade Center	EB	9281	24	0.3	0.3	0.5	0.4%
28th and Thornhills	WB	9283	51	0.6	0.6	1.1	0.9%
28th and Jacksmith	EB	9284	31	0.3	0.3	0.7	0.5%
28th and Cascade Rd	EB/WB	9285	243	2.7	2.7	5.5	4.1%
28th and Thornhills	WB	9288	165	1.9	1.9	3.7	2.8%
28th and Charlevoix Woods	WB	9290	95	1.1	1.1	2.1	1.6%
28th and Lucerne	WB	9292	75	0.8	0.8	1.7	1.3%
28th and Charlevoix	WB	9294	630	7.1	7.1	14.2	10.7%
28th and Northern	WB	9298	1,117	12.6	12.6	25.1	19.0%
28th and Patterson	WB	9300	838	9.4	9.4	18.8	14.2%
<b>Total</b>			<b>5,886</b>	<b>66.1</b>	<b>66.1</b>	<b>132.3</b>	<b>100.0%</b>

# Rapid 28th Street - FY2018 4th Quarter Ridership Data

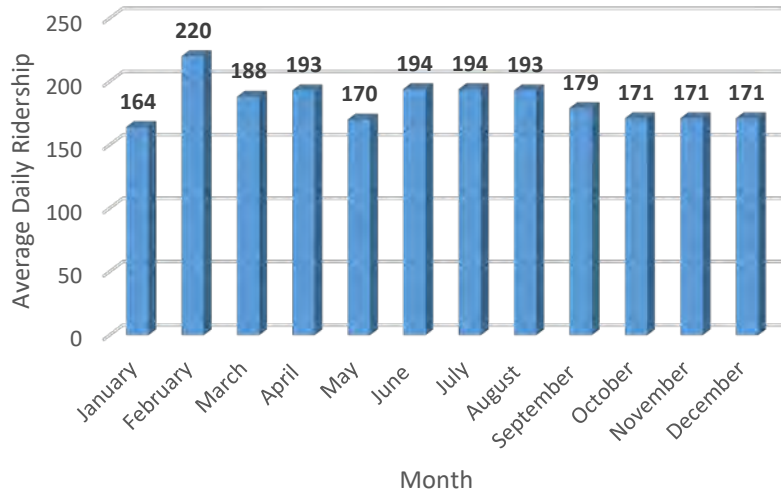
## Rapid - 28th Street Weekday Ridership



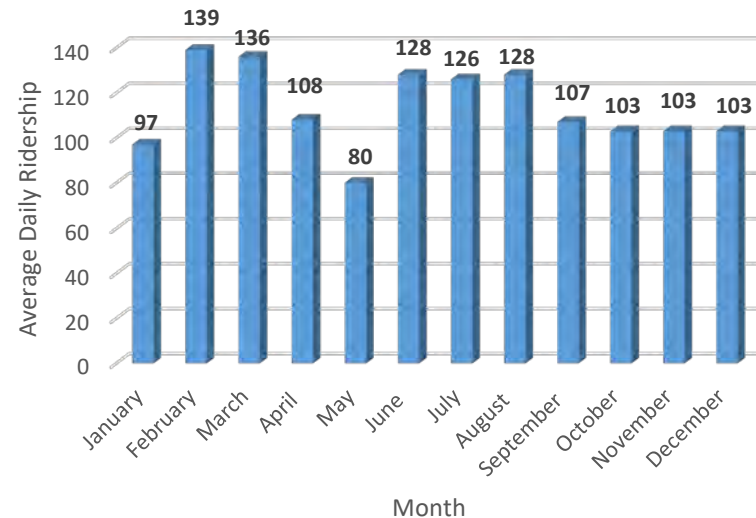
Beginning in December 2016, the Rapid began collecting realtime boarding data and no longer relies on sampling estimates. Alightings are still estimated, with one alighting estimated per boarding. The riders summary is charted on this sheet, while actual rider data is included in the back of this report. Ridership logs are available upon request. Beginning in 4th Quarter we now receive quarterly ridership numbers rather than monthly. The Oct/Nov/Dec numbers are an average

Through 4th Quarter 2018, average weekday ridership peaked in Feb with an average of 325 riders (one-way trips) per day. Saturday and Sunday ridership also peaked in Feb with 220 and 139 respective riders per day. An unseasonably mild February may help explain the uptick in riders for that month. Ridership numbers have decreased from July - Dec, a trend that may be partially explained by the closure of Teleperformance, whom had several regular riders.

## Rapid - 28th Street Saturday Ridership



## Rapid - 28th Street Sunday Ridership



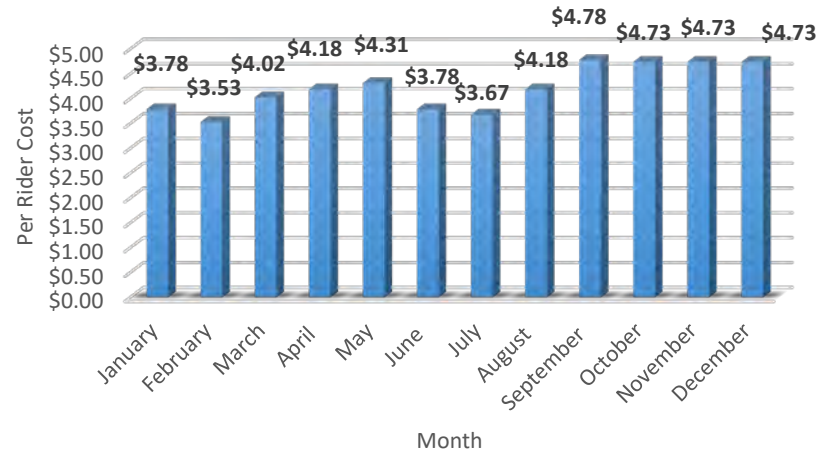
# Rapid 28th Street - FY2018 4th Quarter Financial Data

Cascade Township funds the 28th Street Linehaul service on a "per service hour" formula, which is \$63.68 per service hour for the current contract (and was \$68.05 in 2017.) Based on the hours of service, the Township pays the following "per day" costs:

**Weekday - \$1,146.24    Saturday - \$764.16    Sunday - \$382.08**

Because the costs per day are fixed, the subsidy that is spent per rider is variable based on the volume of riders, the more riders that utilize the service the lower the subsidy per rider paid by the Township. Through the 4th Quarter 2018 the subsidy per rider was lowest in Feb when the highest ridership was realized. With ridership dipping at the end of the quarter, the subsidy has increased. In 2017 the per rider subsidy reached a weekday low of \$3.01 in May.

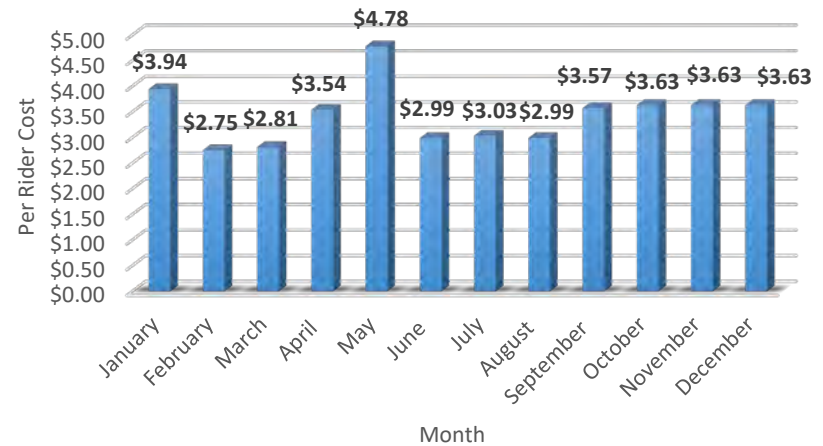
### Rapid - 28th Street Weekday Per Rider Cost



### Rapid - 28th Street Saturday Per Rider Cost

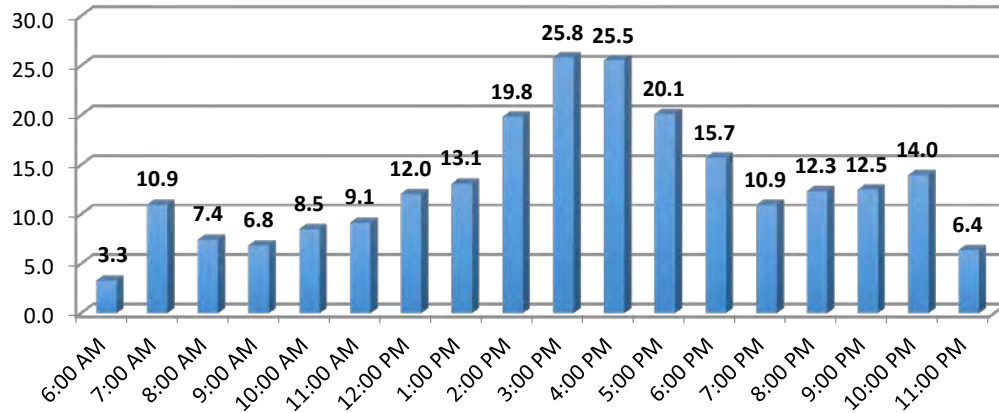


### Rapid - 28th Street Sunday Per Rider Costs



# Rapid 28th Street - FY 2018 4th Quarter Hourly Boarding Data

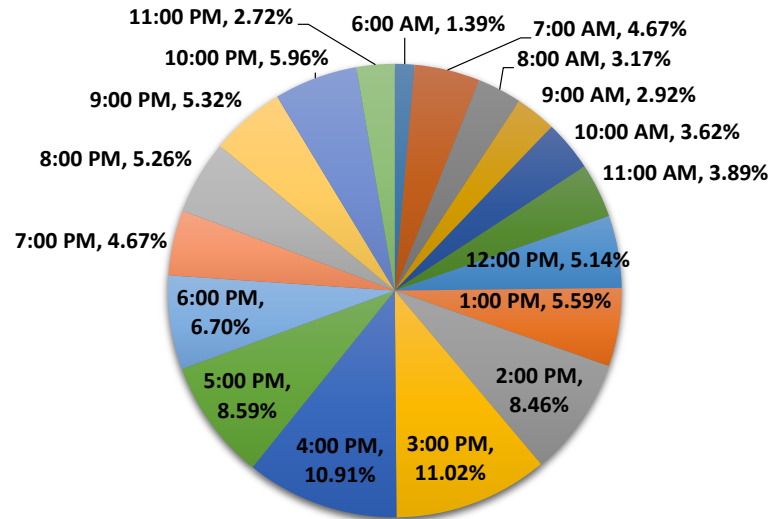
## Average Boardings By Hour (All Days)



The Rapid busses are outfitted with data collection devices that count every boarding in the system. The top chart represents the amount of boardings, per hour of service, for all of the Cascade Township stops. The data collection system does not collect alighting information. It should be noted that the data is for all days (week day and weekend days) so the periods that aren't offered for weekend service will be naturally lower.

The bottom chart represents the same data set as the top chart, but expressed as a percentage of total boardings rather than a number. The smallest percentage of boardings happens in the 6 am hour (1.39%) and the largest occurs in the 3 pm hour (11.02%)

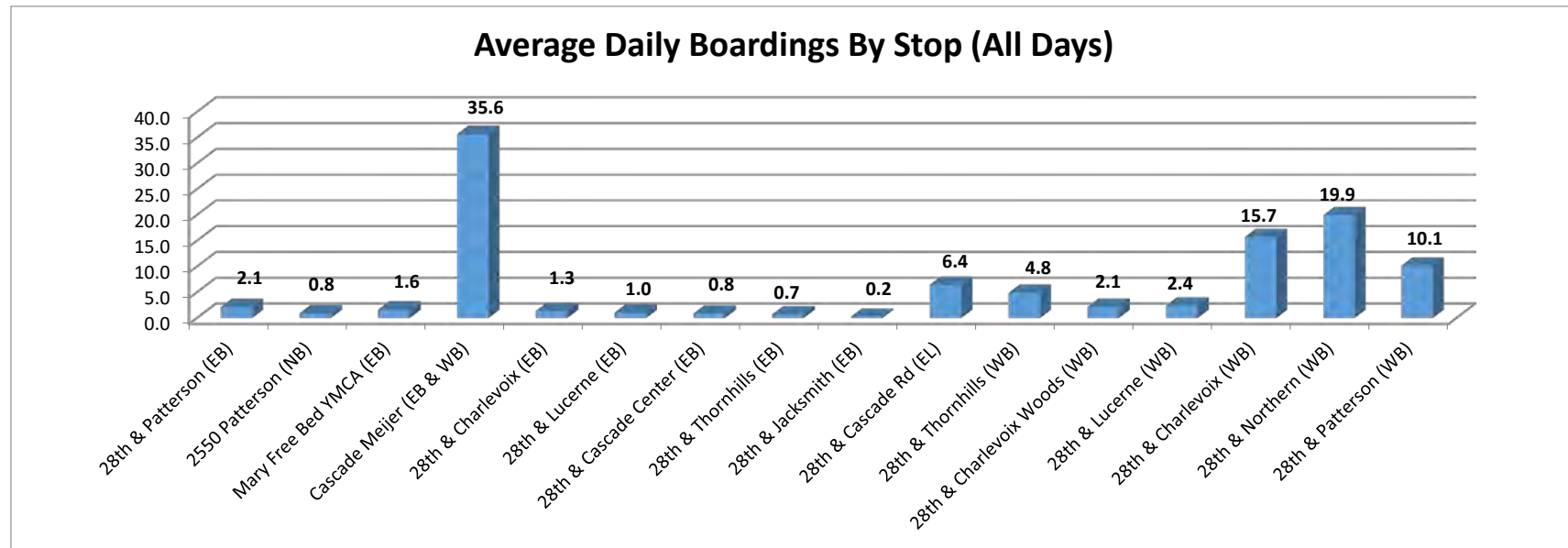
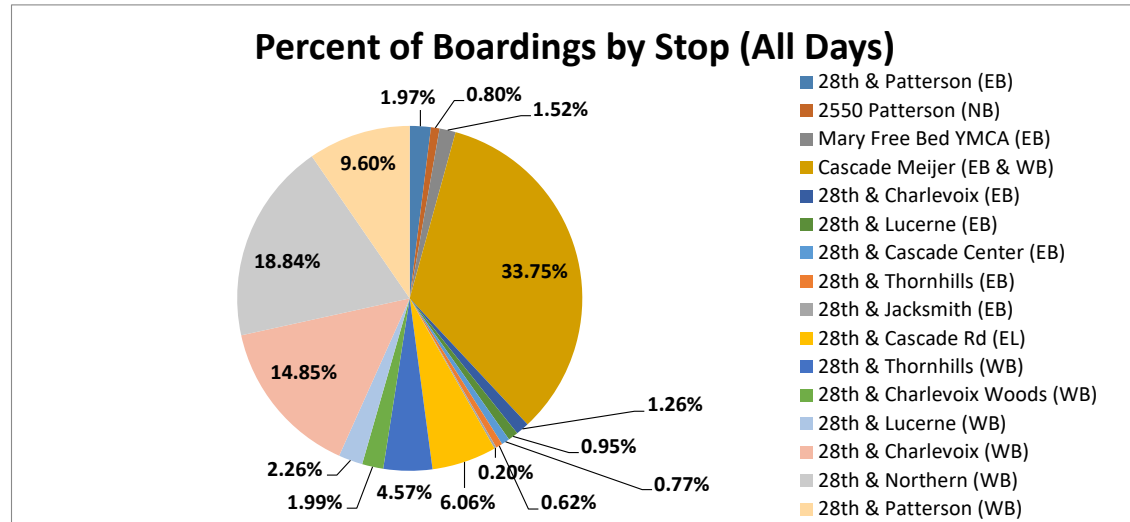
## Percent of Total Boardings (All Days)



# Rapid 28th Street - FY 2018 4th Quarter Stop Boarding Data

The Rapid bus data collection system also collects stop location data for boardings. The chart only represents August through December, as new technology has allowed us to further split the EB and WB routes. By far the largest amount of stops occur at the Meijer stop, though it should be noted that this stop is utilized both EB and WB on the route. The boardings patterns shows that the ridership constitutes primarily riders coming into Cascade.

The bottom chart represents the same data set as the top chart, but expressed as the average boardings per day for each stop. The Meijer stop has the highest number (35.6) while several stops average less than 5 boardings per day. It should be noted the data represents all weekdays and weekend days.



## Rapid Route 28 Rider Survey



The Rapid is surveying riders using Route 28 within Cascade Township (Patterson Road to Cascade Road). Please take a couple of minutes to answer the questions below to help The Rapid understand how our passengers are using this service.

1. What City do you live in?

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2. What is your Zip Code?

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3. What is the nearest major intersection to your home?

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4. How often do you ride the bus into Cascade Township?

- |  |   |
|--|---|
| <input type="radio"/> Once a month or less | <input type="radio"/> 2 to 3 times a week       |
| <input type="radio"/> Once a week          | <input type="radio"/> 4 times a week or greater |

5. Which stop(s) do you use in Cascade Township (Patterson Rd to Cascade Rd)?

---

6. If you work in Cascade Township, which company do you work for?

---

City	Zip Code	Intersection	Frequency	Motive	Stop used	Stop used	Company
Ada	49301	Grand River/Buttrick	2-3 week	Other	Cascade YMCA	N/A	N/A
Wyoming	49506	N/A	2-3 week	Work	Patterson	Cascade	N/A
Grand Rapids	49546	Woodland Mall	4+	All	Meijer	N/A	Meijer
Kentwood	49508	44th/Kalamazoo	4+	Work	Thornhills	N/A	Pizza Hut
Byron Center	49418	56th/Wilson	-1	Shopping	Meijer	N/A	Meijer
Kentwood	49512	Breton/44th	4+	Work	Charlevoix	Meijer	Crown Plaza
Kentwood	49512	32nd/Shaffer	-1	Other	Meijer	N/A	N/A
Grand Rapids	49505	N/A	-1	Shopping	Meijer	N/A	N/A
Grand Rapids	49507	N/A	2-3 week	Work	N/A	N/A	N/A
Kentwood	49508	N/A	-1	Other	N/A	N/A	N/A
Kentwood	49512	28th/Aquest	-1	Shopping	N/A	Thornapple Cente	N/A
Grand Rapids	49508	28th/Kalamazoo	-1	Work	N/A	N/A	N/A
Grand Rapids	49507	Burton/Eastern	1	Work	Meijer	N/A	Gordon Food Service
Grand Rapids	49508	28th/Kalamazoo	2-3 week	Work	Patterson	N/A	N/A
Grand Rapids	49503	N/A	4+	Work	28th/Lucerne	N/A	Freddy's
Grand Rapids	49506	N/A	4+	Work	Cascade Rd	28th/Lucerne	Freddy's
Grand Rapids	49546	East Paris	1	Shopping	Meijer	Library	N/A
Grand Rapids	49508	28th/Kalamazoo	4+	Work	Walmart	N/A	Crowne Plaza
Grand Rapids	49507	Burton/Kalamazoo	-1	Work	Walmart	N/A	Walmart
Grand Rapids	49505	Leonard/Fuller	4+	Work	Meijer	N/A	N/A
Wyoming	49548	N/A	4+	Work	Patterson	N/A	N/A
Grand Rapids	49507	N/A	-1	Other	Meijer	N/A	N/A
Grand Rapids	49546	N/A	4+	Work	N/A	N/A	N/A
Grand Rapids	49506	Division/Fulton	4+	Work	Meijer	N/A	My Daily Bread
Grand Rapids	49509	Franklin/Eastern	4+	Work	Meijer	N/A	Holiday Express
Grand Rapids	49546	28th/Beltline	1	Work	Meijer	N/A	Meijer
Kentwood	49543	28th/Division	4+	Work	Meijer	N/A	Meijer
Grand Rapids	49546	Beltline	4+	Work	Meijer	N/A	Meijer Gas Station
Wyoming	49509	Clyde Park/36th	-1	Shopping	N/A	N/A	N/A
Grand Rapids	49508	N/A	-1	Shopping	Walmart	N/A	Walmart
Wyoming	49509	28th/Burlingame	4+	Work	Walmart	N/A	Walmart
Washington D.C.	20016	N/A	4+	Work	Meijer	N/A	Meijer
Grand Rapids	49505	Plainfield/3 Mile	3-Feb	Work	Meijer	N/A	Goodwill
Grand Rapids	49546	Burton/Beltline	4+	Work	Meijer	N/A	Meijer
Grand Rapids	49506	Lake Dr/Wealthy	4+	Work	Meijer	N/A	Goodwill
Kentwood	49512	Breton	N/A	Work	N/A	N/A	N/A
Grand Rapids	49503	Wealthy/Division	4+	Work	Meijer	N/A	N/A
Grandville	49509	44th/Ivanrest	4+	Shopping	Library	N/A	N/A
Grand Rapids	49508	28th St	2-3 week	Work	Meijer	Walmart	PrideStaff
Wyoming	49548	36th St	4+	Work	Patterson	Northern Dr	Clarion Inn Suites
Grand Rapids	49507	Division	-1	Social	N/A	N/A	N/A
Grand Rapids	49546	Lk Ebrook/Camelot	4+	Shopping	Cascade Rd	N/A	N/A
Grand Rapids	49507	28th/Division	4+	Work	28th/Lucerne	N/A	Freddy's
Kentwood	49512	E. Beltline	2-3 week	Work	Patterson	N/A	Applebee's
Grand Rapids	49546	N/A	2-3 week	Other	Cascade Rd	N/A	N/A
Grand Rapids	49546	N/A	1	Shopping	N/A	N/A	N/A
Wyoming	49509	44th Street	4+	Work	N/A	N/A	N/A
Grand Rapids	49507	Kalamazoo/Burton	4+	Work	28th/Lucerne	N/A	Freddy's
Wyoming	49519	44th/Burlingame	4+	Work	Meijer	Walmart	Crowne Plaza
Grand Rapids	49505	Michigan	4+	Work	Cascade	N/A	Meijer
Grand Rapids	49507	Burton/Division	4+	Shopping	Patterson	N/A	N/A
Grand Rapids	49506	28th/Breton	4+	Work	Patterson	N/A	N/A
Wyoming	49509	Clyde Park/36th	1	Work	YMCA	N/A	N/A
Grand Rapids	49507	N/A	4+	Work	YMCA	N/A	YMCA
Grand Rapids	49503	Division/Wealthy	2-3 week	Shopping	Meijer	N/A	N/A
Wyoming	49519	Burlingame/28th	4+	Work	Cascade Rd	N/A	Big Lots
Wyoming	49548	Division/54th	4+	Work	Cascade Rd	N/A	Crowne Plaza
Grand Rapids	49507	Eastern/28th	2-3 week	Work	Cascade Rd	28th/Northern	Citco
Grand Rapids	49507	28th St	4+	Work	28th/Northern	N/A	Bob Evans
Kentwood	49512	28th/E. Beltline	4+	Work	Meijer	N/A	Qdoba
Grand Rapids	49504	11th/Turner	4+	Work	28th/Northern	N/A	Bob Evans
Grand Rapids	49548	N/A	4+	Work	Meijer	N/A	Meijer
Wyoming	49509	N/A	-1	Shopping	N/A	N/A	N/A
Grand Rapids	49507	Franklin/Madison	4+	Work	YMCA	N/A	YMCA

# Cascade Township Bus Study

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July 2017





# Background on Cobalt Community Research

- 501c3 not for profit research coalition
- Mission to provide research and education
- Developed to meet the research needs of schools, local governments and nonprofit organizations



# Study Goals

- Engage business community to determine if pilot bus service should be continued
- Determine benefits of the service
- Understand businesses reasons to support or oppose continuation
- For those supporting continuation, review future funding models



# Bottom Line

- About 65% of respondents agree the service is a benefit to the Township, and 10% do not agree
- When asked if respondents agree the service should be continued, about 45% supported continuation, while 23% did not (33% not sure)
  - Support was closely correlated with the number of employees
  - Businesses with only 1 employee were the only group to have 50% against continuation of the service
  - Midsize businesses were the largest group of “not sure” respondents
- For those agreeing to continue the service, the funding mechanism with the most support (40%) was a 1 mil tax with remaining from existing Township/DDA funding
  - Comments also spoke to raising fares, annual fees, smaller/fuller busses and reducing the projected cost



# Bottom Line

- Strongest arguments in favor:
  - The service increases employee attraction and retention
  - The service helps visitors and residents get around town more easily
  - The service increases business for shops, hotels, restaurants and other businesses in the Township
- Strongest arguments against:
  - The service has too many empty busses driving around town
  - The cost of the service is too high for the Township and the DDA
  - The funds spent on the service should be used in other ways



# Preserving Voice: Looking Into Detail

Sample Thermal Map:  
Seeing consistency or divergence between demographic groups

		How bus service affects your employees											
		I have employees who use The Rapid to get to work			Bus service improves the pool of people I can hire			Proximity to a bus stop helps me attract and retain employees					
		Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know			
2017 Cascade Charter Township Bus Service Study - Local Businesses				Low									
		Consistent Low						Mixed Response					
<b>Overall</b>		23%	71%	6%	44%	41%	13%	35%	47%	18%			
Time in Township	<1 year	100%	-	-	100%	-	-	100%	-	-			
	1-5 years	24%	59%	18%	47%	41%	12%	47%	41%	12%			
	6-10 years	23%	77%	-	38%	31%	31%	31%	23%	46%			
	10+ years	22%	74%	4%	44%	43%	11%	32%	53%	15%			
Number of Employees	1	-	100%	-	33%	67%	-	-	67%	33%			
	2-10	9%	89%	2%	36%	49%	13%	27%	60%	13%			
	11-25	20%	72%	8%	44%	32%	24%	36%	36%	28%			
	26-50	33%	53%	13%	47%	40%	13%	33%	40%	27%			
	50+	75%	17%	8%	75%	25%	-	75%	25%	-			
Continue Service?	Yes	44%	51%	4%	82%	9%	7%	73%	13%	13%			
	No	4%	91%	4%	-	96%	4%	-	100%	-			
	Not sure	6%	85%	9%	-	-	-	6%	58%	36%			

Consistent High



# Methodology

- Assessment was delivered to 368 businesses in the business corridor
- Conducted using two mailings in June of 2017 with a voice mail request to complete the survey
- 114 responses, giving a solid response rate of 30%
- 105 responses used in the analysis (that were valid and received by cutoff date)
- Margin of error of +/- 6.8 percent (90% confidence)



# Respondent Profile

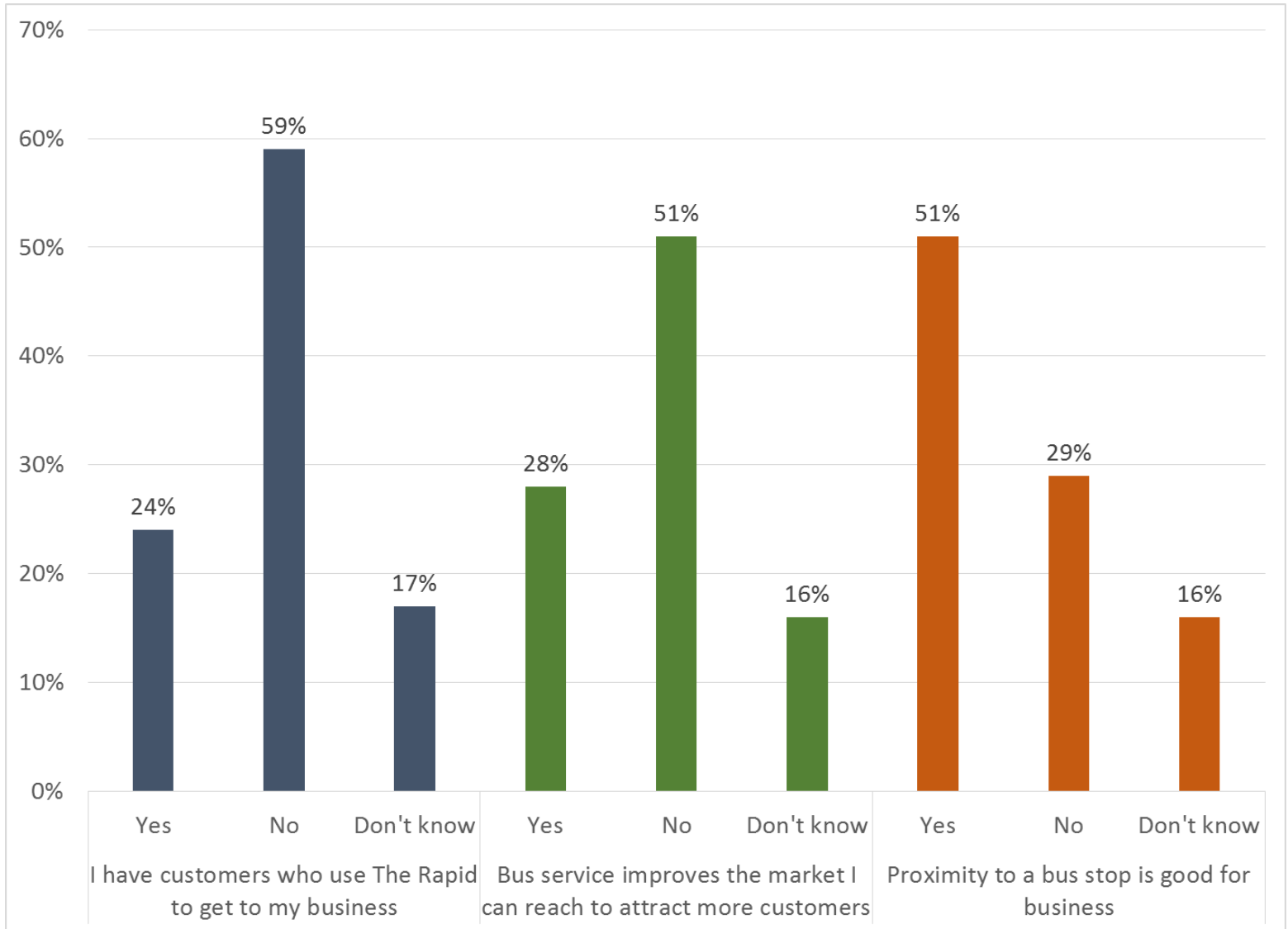
2017 Cascade Charter Township Bus Service Study - Local Businesses			
Overall		105	100%
Time in Township	<1 year	1	1%
	1-5 years	17	16%
	6-10 years	13	12%
	10+ years	72	69%
Number of Employees	1	6	6%
	2-10	45	43%
	11-25	25	24%
	26-50	15	14%
	50+	12	11%

# Results



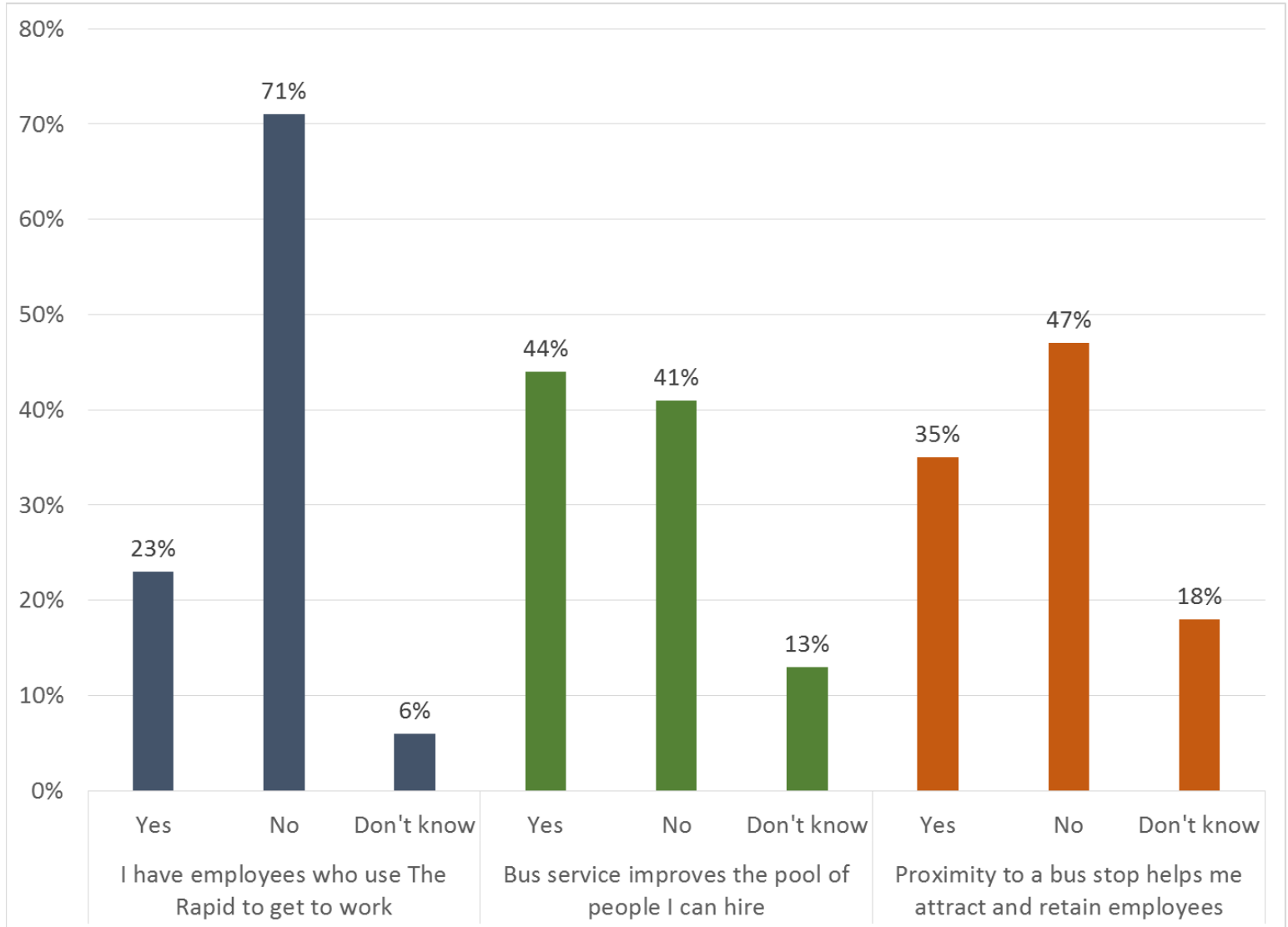


# Service Affect on Customers is Limited





# Service Affect on Employees Stronger



# Comments: How has the service affected your business?

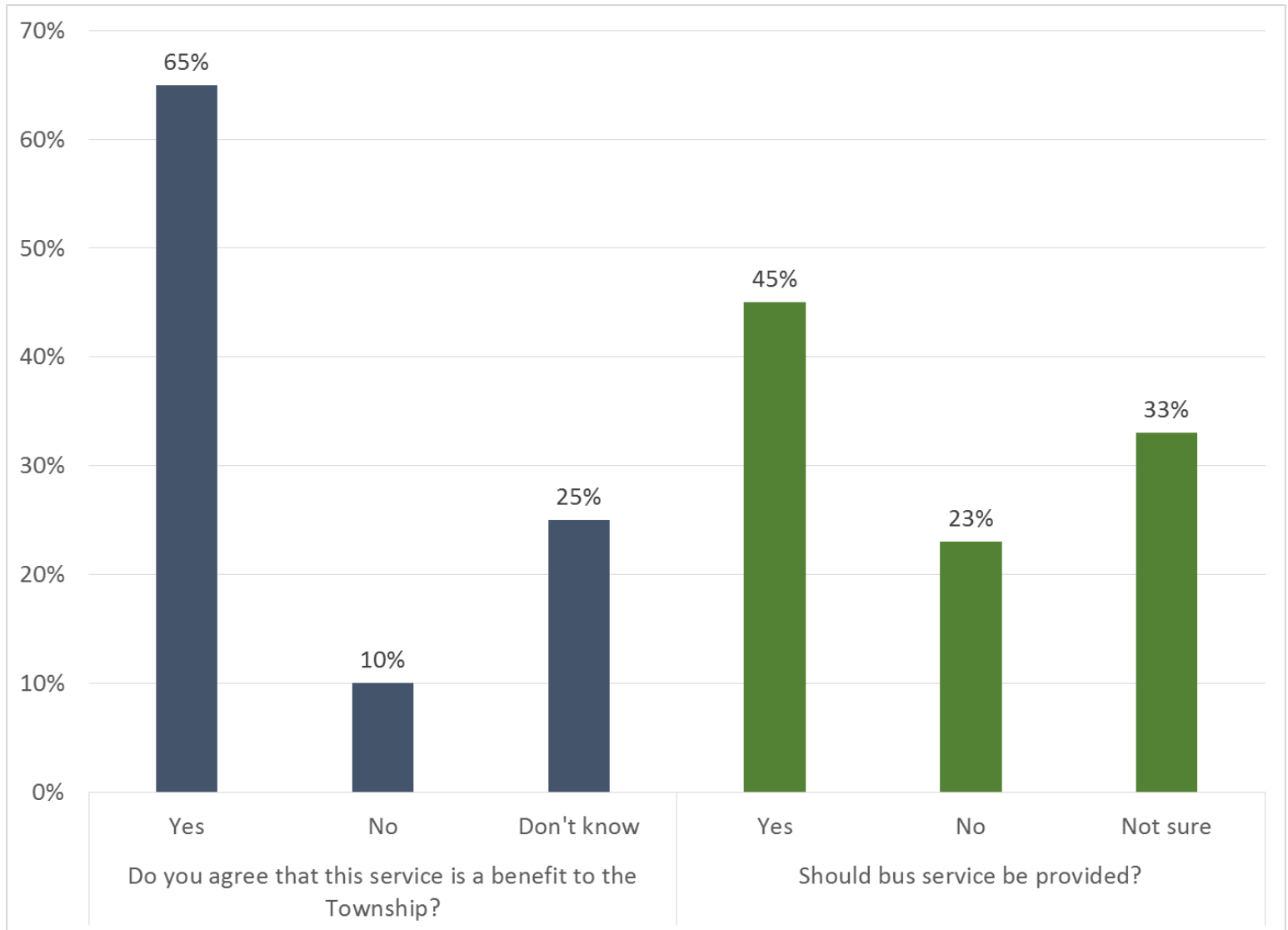
## Themes:

- Helps employees get to work
- Easier for patients and customers who do not drive
- No effect on the business
- Attracts nuisance riders who loiter, litter, ask for change, and steal



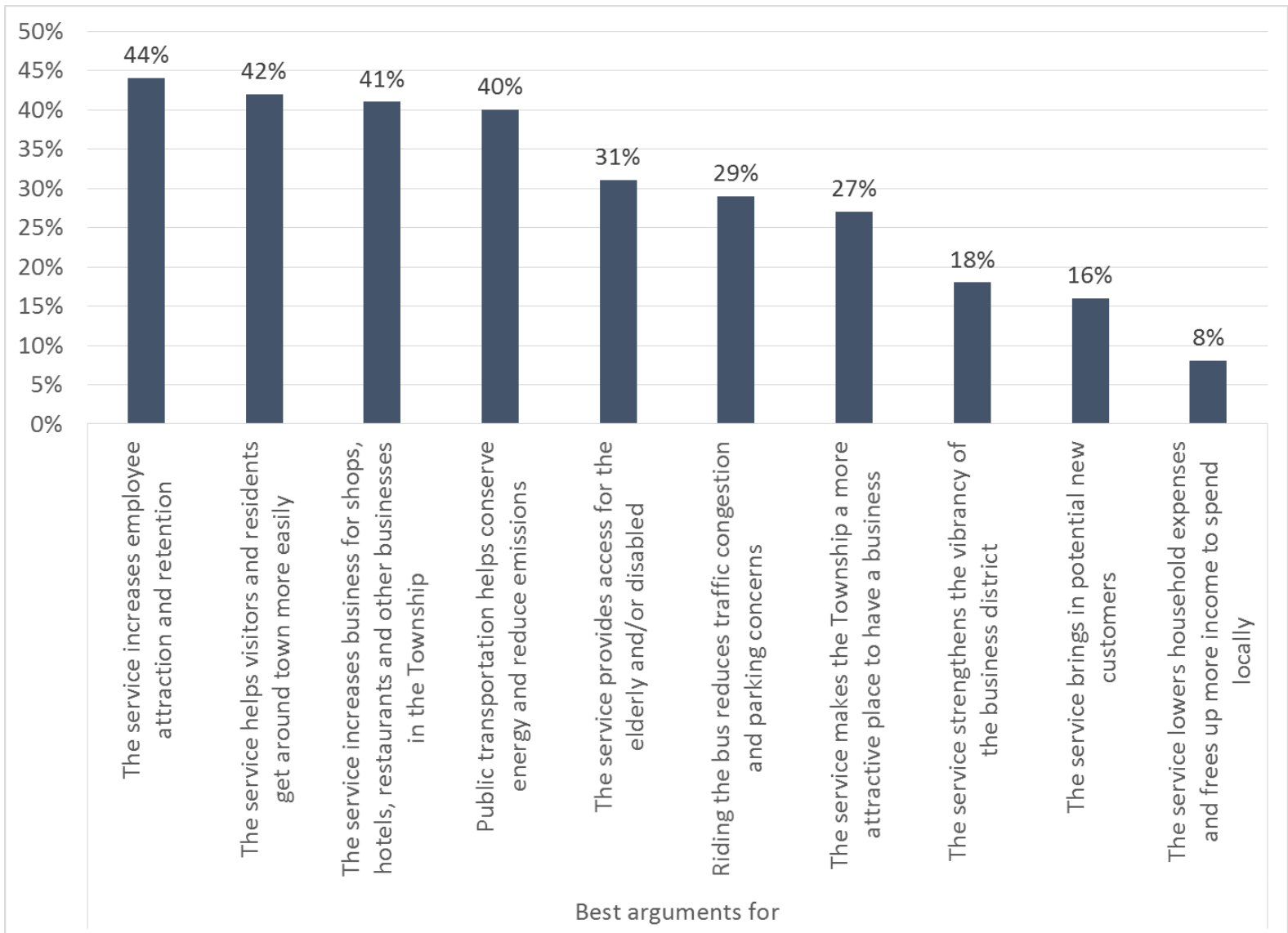


# Agreement on Benefit and Continuation





# Arguments in Support of Continuation





# Arguments in Support of Continuation That Respondents Rated the Strongest

## Respondents in favor:

- The service increases **employee attraction and retention**
- The service makes the Township **a more attractive place to have a business**
- The service helps visitors and residents **get around town** more easily

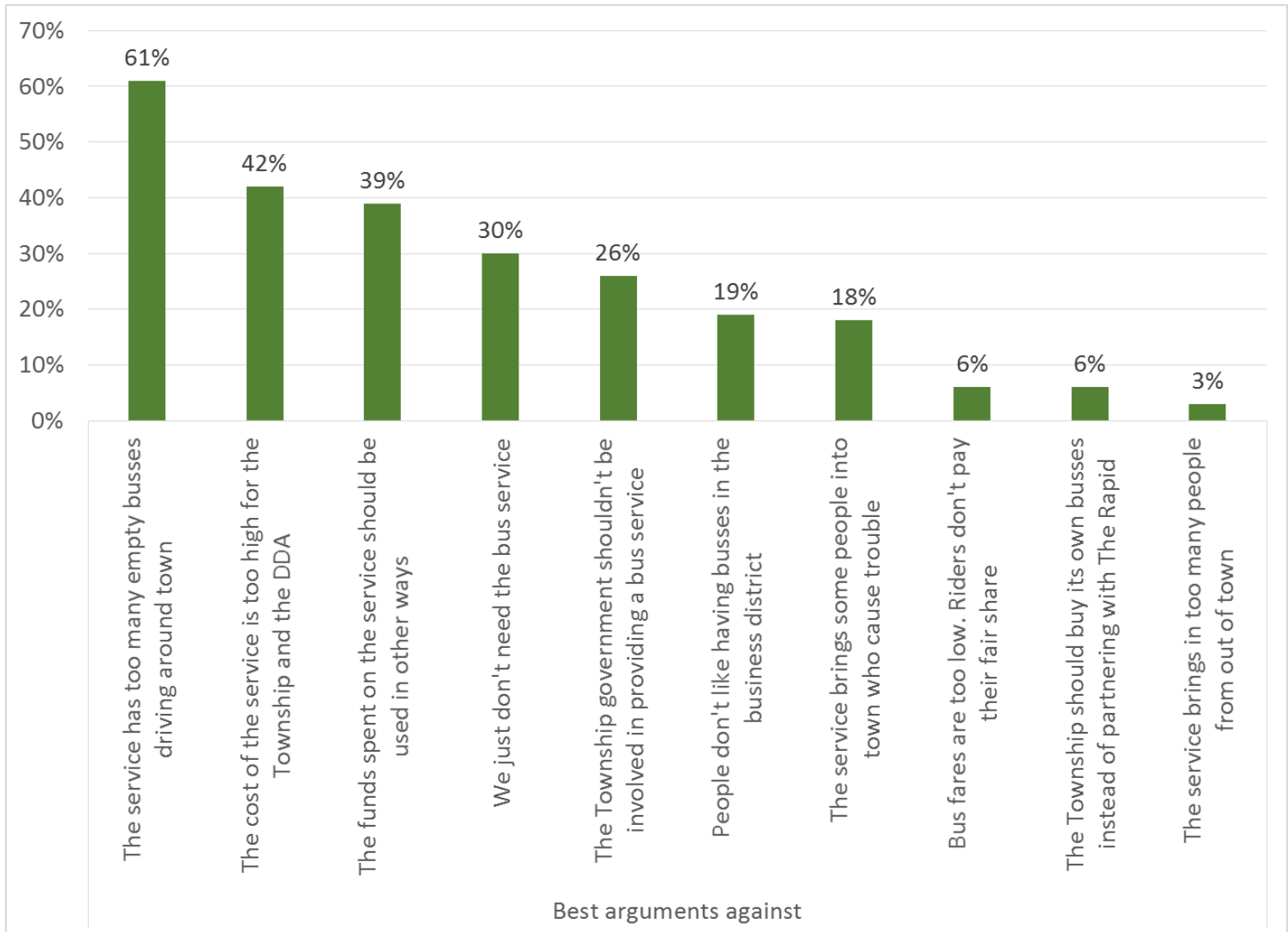
## Respondents opposed:

- Public transportation helps **conserve energy** and **reduce emissions**
- The service provides access for the **elderly and/or disabled**
- The service **increases business** for shops, hotels, restaurants and other businesses in the Township

## Respondents who are not sure:

- The service helps visitors and residents **get around town** more easily
- The service **increases business** for shops, hotels, restaurants and other businesses in the Township
- Public transportation helps **conserve energy** and **reduce emissions**
- Riding the bus **reduces traffic congestion** and parking concerns

# Arguments Against Continuation





# Arguments Against Continuation That Respondents Rated the Strongest

## Respondents in favor:

- The service has too many **empty busses** driving around town
- The **cost** of the service is too high for the Township and the DDA
- The Township government **shouldn't be involved** in providing a bus service
- People **don't like having busses** in the business district

## Respondents opposed:

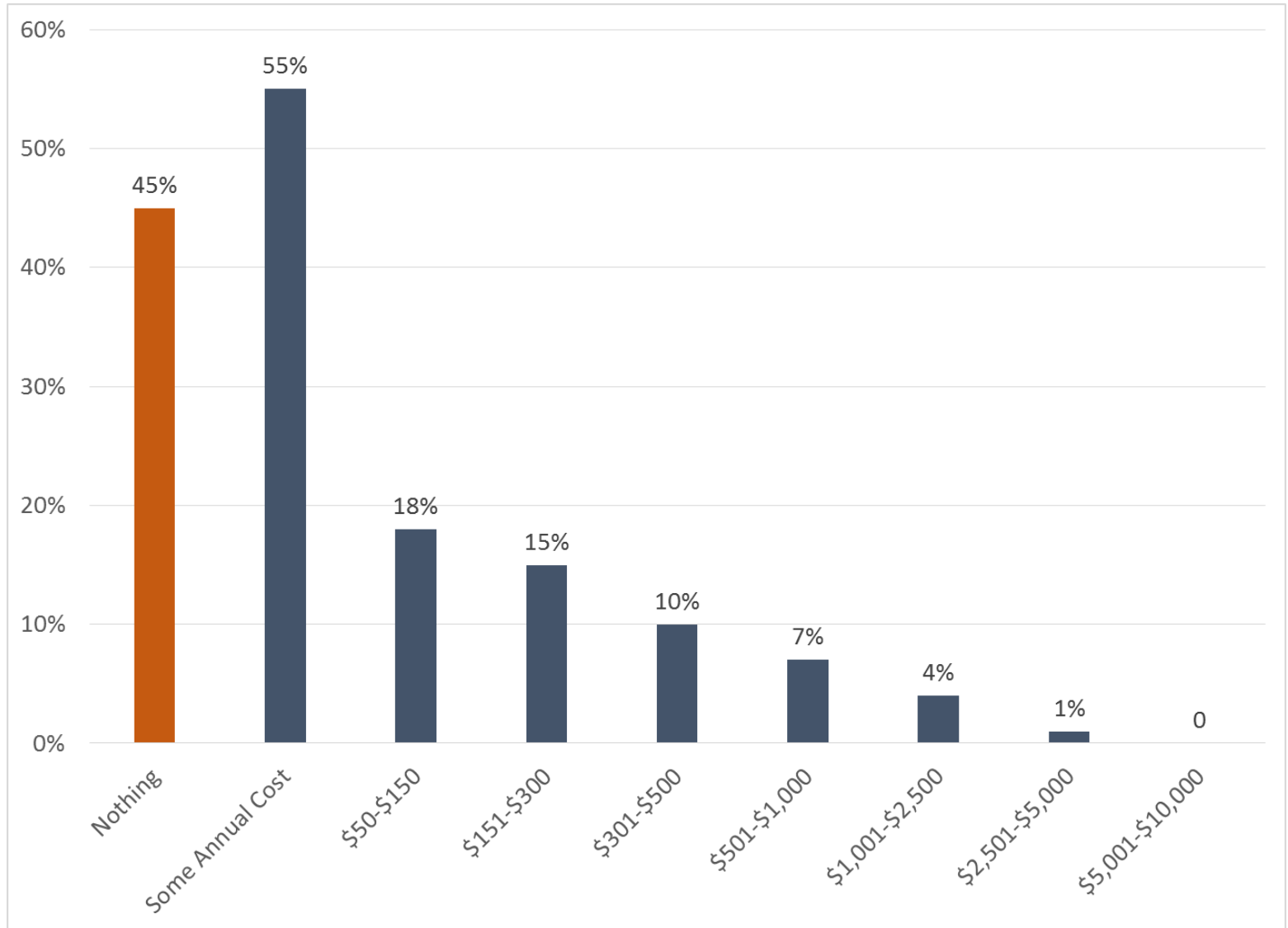
- The service has too many **empty busses** driving around town
- The funds spent on the service should be **used in other ways**
- We just **don't need** the bus service

## Respondents who are not sure:

- The service has too many **empty busses** driving around town
- The **cost** of the service is too high for the Township and the DDA
- The funds spent on the service should be **used in other ways**

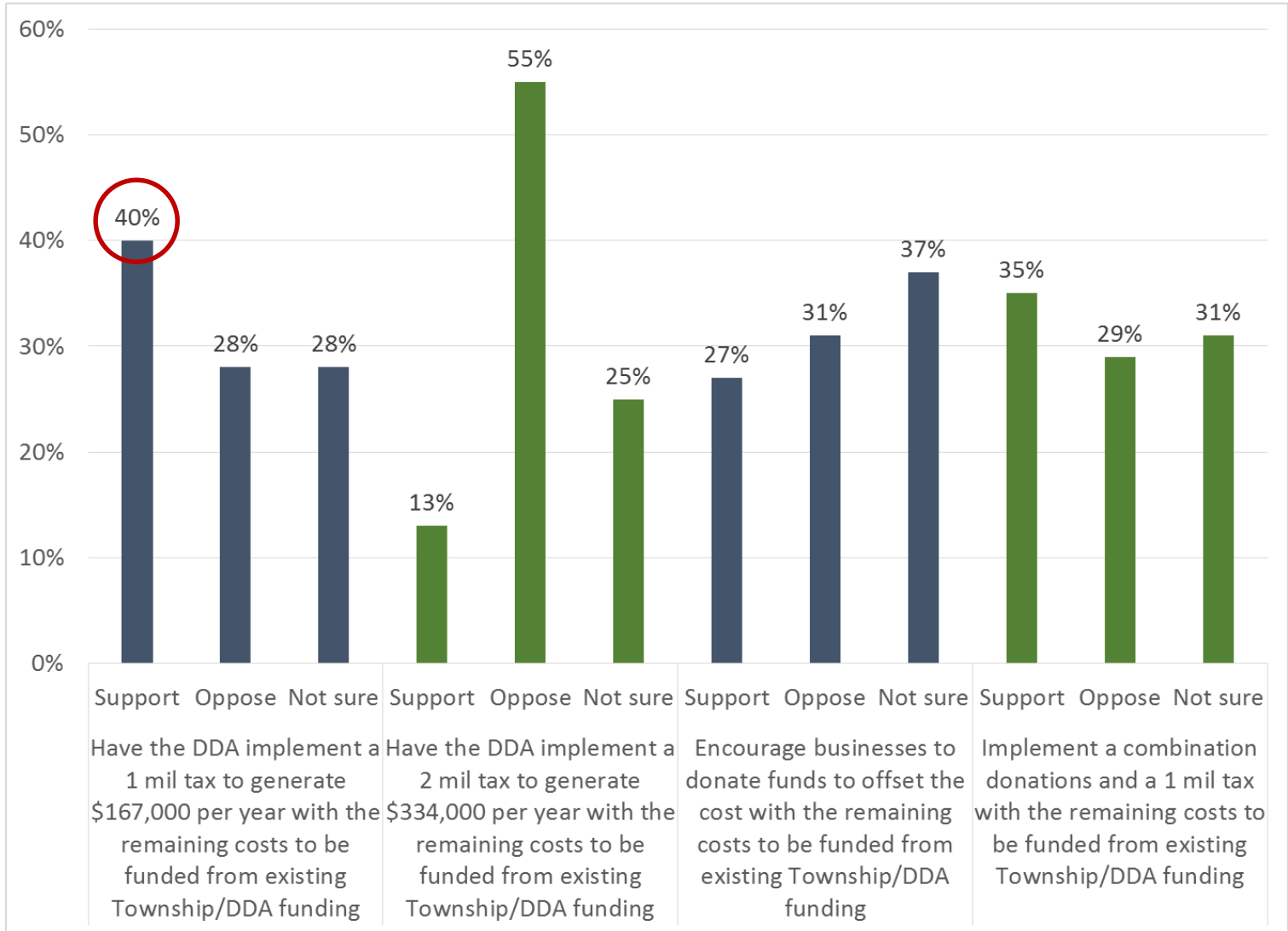


# Amount Comfortable Spending Annually to Continue the Service (only people supporting continuation)





# Funding Methods: 1-mil Tax has greatest support (only people supporting continuation)



# Other Approaches to Fund

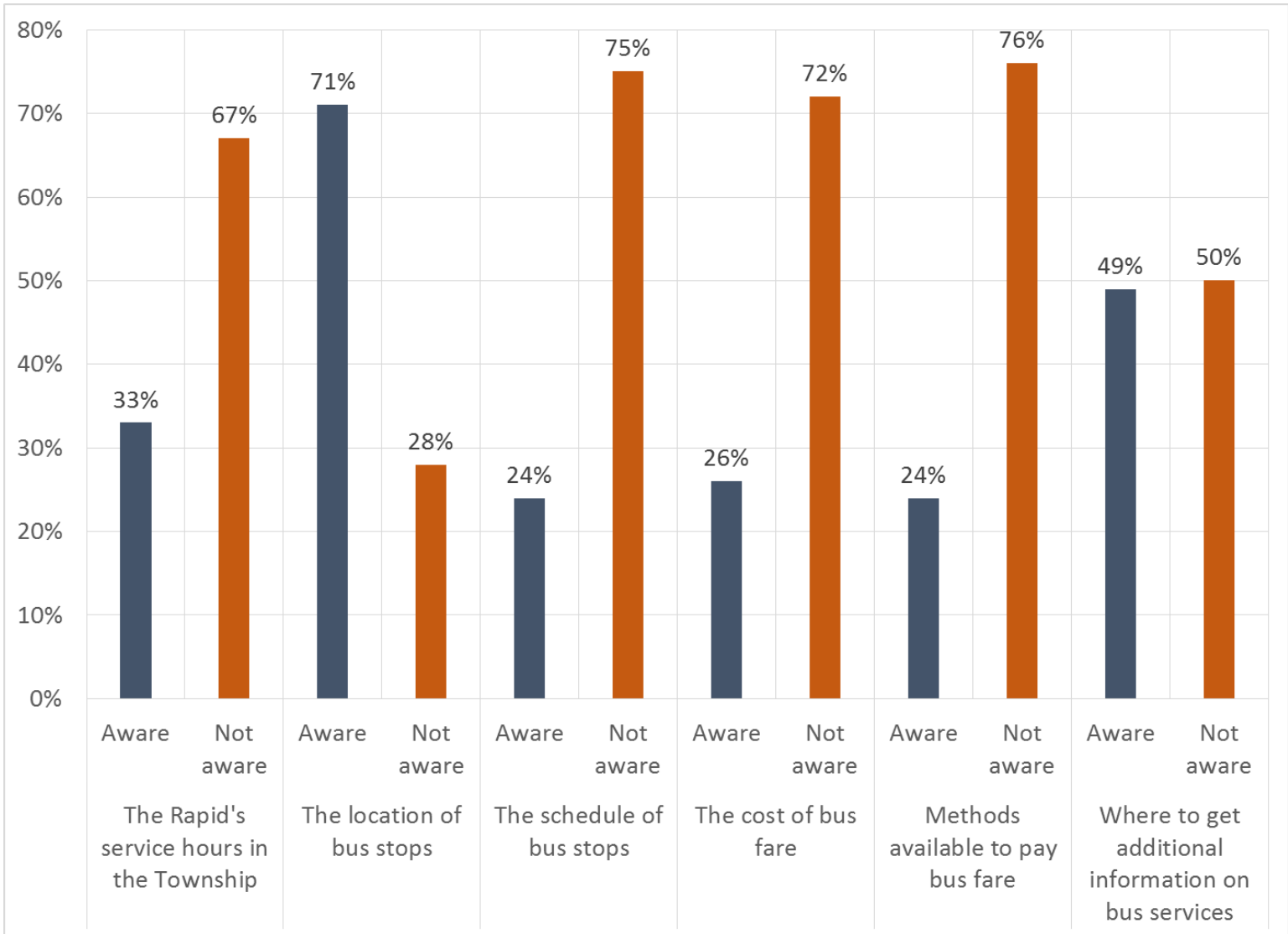
## Themes:

- Increase fares
- Charge annual fees
- Fill busses/use smaller busses
- Projected cost is high



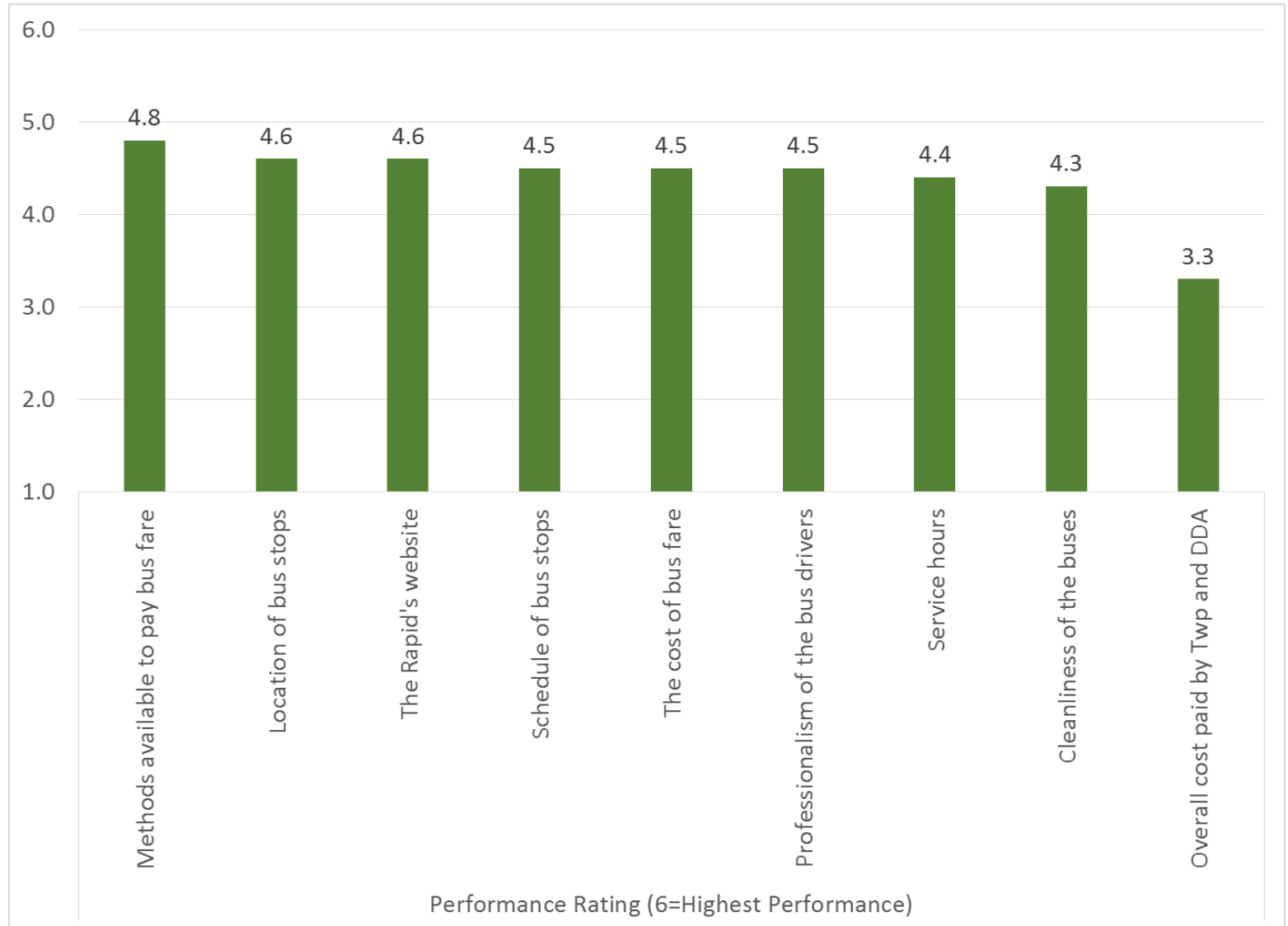


# Many Opportunities to Improve Service Awareness





# Service Performance Ratings High, but Service Considered Expensive for Township and DDA



# Other Comments to Share

## Themes:

- Service is helpful, but expensive
- Good for employees and customers
- Not enough demand



2017 Cascade Charter Township Bus Service Study - Local Businesses		How bus service affects your customers								
		I have customers who use The Rapid to get to my business			Bus service improves the market I can reach to attract more customers			Proximity to a bus stop is good for business		
		Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know
<b>Overall</b>		24%	59%	17%	28%	51%	16%	51%	29%	16%
Time in Township	<1 year	100%	-	-	-	-	100%	100%	-	-
	1-5 years	24%	71%	6%	35%	53%	6%	59%	12%	18%
	6-10 years	23%	54%	23%	38%	46%	15%	69%	8%	23%
	10+ years	24%	57%	19%	25%	51%	18%	46%	36%	15%
Number of Employees	1	-	67%	33%	17%	83%	-	33%	50%	17%
	2-10	31%	58%	11%	33%	47%	16%	56%	20%	20%
	11-25	16%	60%	24%	16%	60%	24%	44%	36%	20%
	26-50	13%	67%	20%	27%	53%	13%	47%	33%	13%
	50+	42%	50%	8%	42%	33%	17%	67%	33%	-
Continue Service?	Yes	49%	38%	13%	51%	29%	18%	82%	7%	9%
	No	4%	96%	-	-	91%	4%	13%	70%	17%
	Not sure	6%	64%	30%	15%	55%	24%	36%	30%	27%

2017 Cascade Charter Township Bus Service Study - Local Businesses		How bus service affects your employees								
		I have employees who use The Rapid to get to work			Bus service improves the pool of people I can hire			Proximity to a bus stop helps me attract and retain employees		
		Yes	No	Don't know	Yes	No	Don't know	Yes	No	Don't know
<b>Overall</b>		<b>23%</b>	<b>71%</b>	<b>6%</b>	<b>44%</b>	<b>41%</b>	<b>13%</b>	<b>35%</b>	<b>47%</b>	<b>18%</b>
Time in Township	<1 year	100%	-	-	100%	-	-	100%	-	-
	1-5 years	24%	59%	18%	47%	41%	12%	47%	41%	12%
	6-10 years	23%	77%	-	38%	31%	31%	31%	23%	46%
	10+ years	22%	74%	4%	44%	43%	11%	32%	53%	15%
Number of Employees	1	-	100%	-	33%	67%	-	-	67%	33%
	2-10	9%	89%	2%	36%	49%	13%	27%	60%	13%
	11-25	20%	72%	8%	44%	32%	24%	36%	36%	28%
	26-50	33%	53%	13%	47%	40%	13%	33%	40%	27%
	50+	75%	17%	8%	75%	25%	-	75%	25%	-
Continue Service?	Yes	44%	51%	4%	82%	9%	7%	73%	13%	13%
	No	4%	91%	4%	-	96%	4%	-	100%	-
	Not sure	6%	85%	9%	21%	48%	30%	6%	58%	36%

2017 Cascade Charter Township Bus Service Study - Local Businesses		Agree that bus service is a benefit to the Township		
		Do you agree that this service is a benefit to the Township?		
		Yes	No	Don't know
<b>Overall</b>		<b>65%</b>	<b>10%</b>	<b>25%</b>
Time in Township	<1 year	100%	-	-
	1-5 years	63%	6%	31%
	6-10 years	92%	-	8%
	10+ years	61%	13%	26%
Number of Employees	1	50%	33%	17%
	2-10	59%	7%	34%
	11-25	72%	8%	20%
	26-50	53%	13%	33%
	50+	92%	8%	-
Continue Service?	Yes	98%	-	2%
	No	22%	39%	39%
	Not sure	52%	3%	45%

2017 Cascade Charter Township Bus Service Study - Local Businesses		Best arguments for									
		Best arguments for									
		The service increases employee attraction and retention	The service helps visitors and residents get around town more easily	The service increases business for shops, hotels, restaurants and other businesses in the Township	Public transportation helps conserve energy and reduce emissions	The service provides access for the elderly and/or disabled	Riding the bus reduces traffic congestion and parking concerns	The service makes the Township a more attractive place to have a business	The service strengthens the vibrancy of the business district	The service brings in potential new customers	The service lowers household expenses and frees up more income to spend locally
<b>Overall</b>		<b>44%</b>	<b>42%</b>	<b>41%</b>	<b>40%</b>	<b>31%</b>	<b>29%</b>	<b>27%</b>	<b>18%</b>	<b>16%</b>	<b>8%</b>
Time in Township	<1 year	100%	-	-	-	-	-	100%	100%	-	-
	1-5 years	29%	41%	47%	41%	29%	18%	24%	18%	29%	12%
	6-10 years	38%	69%	31%	54%	31%	38%	15%	8%	8%	8%
	10+ years	48%	37%	42%	37%	32%	31%	29%	18%	14%	8%
Number of Employees	1	50%	17%	17%	67%	50%	50%	17%	17%	17%	-
	2-10	24%	50%	50%	36%	33%	26%	29%	19%	19%	7%
	11-25	39%	35%	35%	48%	26%	30%	35%	26%	9%	13%
	26-50	75%	50%	42%	33%	33%	42%	8%	-	8%	8%
	50+	83%	33%	33%	33%	17%	17%	33%	17%	25%	-
Continue Service?	Yes	64%	38%	36%	36%	22%	20%	40%	20%	18%	2%
	No	22%	28%	50%	56%	56%	39%	6%	6%	22%	-
	Not sure	26%	58%	45%	35%	26%	35%	23%	23%	10%	19%

2017 Cascade Charter Township Bus Service Study - Local Businesses		Best arguments against									
		Best arguments against									
		The service has too many empty busses driving around town	The cost of the service is too high for the Township and the DDA	The funds spent on the service should be used in other ways	We just don't need the bus service	The Township government shouldn't be involved in providing a bus service	People don't like having busses in the business district	The service brings some people into town who cause trouble	Bus fares are too low. Riders don't pay their fair share	The Township should buy its own busses instead of partnering with The Rapid	The service brings in too many people from out of town
<b>Overall</b>		<b>61%</b>	<b>42%</b>	<b>39%</b>	<b>30%</b>	<b>26%</b>	<b>19%</b>	<b>18%</b>	<b>6%</b>	<b>6%</b>	<b>3%</b>
Time in Township	<1 year	-	-	-	-	-	-	-	-	-	-
	1-5 years	80%	10%	20%	30%	20%	20%	30%	-	20%	-
	6-10 years	44%	44%	44%	33%	44%	22%	-	-	-	-
	10+ years	60%	47%	41%	29%	24%	19%	19%	9%	5%	3%
Number of Employees	1	33%	33%	50%	33%	33%	17%	33%	-	-	-
	2-10	71%	37%	40%	34%	29%	20%	9%	6%	9%	3%
	11-25	61%	39%	39%	22%	22%	28%	39%	6%	6%	6%
	26-50	56%	33%	33%	44%	22%	-	11%	-	-	-
	50+	44%	78%	33%	11%	22%	22%	11%	22%	11%	-
Continue Service?	Yes	52%	37%	15%	11%	30%	30%	7%	15%	11%	4%
	No	61%	43%	57%	48%	17%	13%	22%	-	-	4%
	Not sure	70%	44%	48%	33%	30%	15%	26%	4%	7%	-

2017 Cascade Charter Township Bus Service Study - Local Businesses		Agree that bus service should be continued			Reasonable annual cost							
		Should bus service be provided?			Annual amount supported							
		Yes	No	Not sure	Nothing	\$50-\$150	\$151-\$300	\$301-\$500	\$501-\$1,000	\$1,001-\$2,500	\$2,501-\$5,000	\$5,001-\$10,000
<b>Overall</b>		45%	23%	33%	45%	18%	15%	10%	7%	4%	1%	-
Time in Township	<1 year	100%	-	-	-	-	-	-	100%	-	-	-
	1-5 years	47%	18%	35%	38%	15%	8%	23%	8%	8%	-	-
	6-10 years	54%	-	46%	62%	15%	8%	-	-	8%	8%	-
	10+ years	41%	29%	30%	43%	20%	20%	9%	7%	2%	-	-
Number of Employees	1	33%	50%	17%	67%	33%	-	-	-	-	-	-
	2-10	41%	20%	39%	53%	26%	12%	-	6%	3%	-	-
	11-25	36%	20%	44%	59%	6%	12%	12%	12%	-	-	-
	26-50	50%	21%	29%	18%	18%	9%	18%	9%	18%	9%	-
	50+	75%	25%	-	13%	-	50%	38%	-	-	-	-
Continue Service?	Yes	100%	-	-	21%	17%	26%	14%	12%	7%	2%	-
	No	-	100%	-	-	-	-	-	-	-	-	-
	Not sure	-	-	100%	77%	19%	-	3%	-	-	-	-

2017 Cascade Charter Township Bus Service Study - Local Businesses		Potential approaches											
		Have the DDA implement a 1 mil tax to generate \$167,000 per year with the remaining costs to be funded from existing Township/DDA funding			Have the DDA implement a 2 mil tax to generate \$334,000 per year with the remaining costs to be funded from existing Township/DDA funding			Encourage businesses to donate funds to offset the cost with the remaining costs to be funded from existing Township/DDA funding			Implement a combination donations and a 1 mil tax with the remaining costs to be funded from existing Township/DDA funding		
		Support	Oppose	Not sure	Support	Oppose	Not sure	Support	Oppose	Not sure	Support	Oppose	Not sure
<b>Overall</b>		<b>40%</b>	<b>28%</b>	<b>28%</b>	<b>13%</b>	<b>55%</b>	<b>25%</b>	<b>27%</b>	<b>31%</b>	<b>37%</b>	<b>35%</b>	<b>29%</b>	<b>31%</b>
Time in Township	<1 year	100%	-	-	-	-	100%	100%	-	-	100%	-	-
	1-5 years	36%	21%	43%	21%	50%	21%	14%	36%	43%	29%	43%	21%
	6-10 years	46%	38%	15%	8%	62%	23%	15%	38%	38%	31%	31%	31%
	10+ years	38%	28%	28%	13%	55%	26%	32%	28%	36%	36%	26%	34%
Number of Employees	1	33%	33%	33%	-	67%	33%	-	67%	33%	33%	33%	33%
	2-10	36%	39%	18%	12%	61%	21%	24%	36%	33%	27%	36%	30%
	11-25	25%	30%	45%	15%	45%	35%	30%	25%	40%	25%	35%	35%
	26-50	70%	10%	20%	-	80%	10%	30%	20%	40%	60%	10%	20%
	50+	56%	-	33%	33%	22%	33%	33%	22%	44%	56%	11%	33%
Continue Service?	Yes	60%	7%	26%	24%	40%	24%	29%	29%	33%	48%	14%	29%
	No	-	-	-	-	-	-	-	-	-	-	-	-
	Not sure	15%	55%	30%	-	73%	27%	24%	33%	42%	18%	48%	33%

2017 Cascade Charter Township Bus Service Study - Local Businesses		Service awareness											
		The Rapid's service hours in the Township		The location of bus stops		The schedule of bus stops		The cost of bus fare		Methods available to pay bus fare		Where to get additional information on bus services	
		Aware	Not aware	Aware	Not aware	Aware	Not aware	Aware	Not aware	Aware	Not aware	Aware	Not aware
<b>Overall</b>		<b>33%</b>	<b>67%</b>	<b>71%</b>	<b>28%</b>	<b>24%</b>	<b>75%</b>	<b>26%</b>	<b>72%</b>	<b>24%</b>	<b>76%</b>	<b>49%</b>	<b>50%</b>
Time in Township	<1 year	100%	-	100%	-	100%	-	100%	-	100%	-	100%	-
	1-5 years	19%	81%	69%	31%	13%	88%	44%	50%	25%	75%	50%	50%
	6-10 years	31%	69%	62%	38%	15%	85%	15%	85%	23%	77%	54%	46%
	10+ years	37%	63%	73%	25%	27%	72%	24%	75%	23%	77%	48%	51%
Number of Employees	1	50%	50%	67%	33%	33%	67%	17%	83%	33%	67%	50%	50%
	2-10	29%	71%	69%	29%	13%	84%	22%	76%	16%	84%	47%	51%
	11-25	32%	68%	68%	32%	24%	76%	28%	72%	24%	76%	44%	56%
	26-50	23%	77%	69%	31%	15%	85%	8%	92%	15%	85%	38%	62%
	50+	50%	50%	83%	17%	58%	42%	58%	33%	50%	50%	75%	25%
Continue Service?	Yes	55%	45%	89%	9%	39%	61%	41%	55%	43%	57%	73%	25%
	No	32%	68%	68%	32%	23%	73%	18%	82%	9%	91%	41%	59%
	Not sure	6%	94%	52%	48%	3%	97%	12%	88%	6%	94%	24%	76%

2017 Cascade Charter Township Bus Service Study - Local Businesses		Service performance								
		Performance Rating (6=Highest Performance)								
		Methods available to pay bus fare	Location of bus stops	The Rapid's website	Schedule of bus stops	The cost of bus fare	Professionalism of the bus drivers	Service hours	Cleanliness of the buses	Overall cost paid by Twp and DDA
<b>Overall</b>		<b>4.8</b>	<b>4.6</b>	<b>4.6</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.4</b>	<b>4.3</b>	<b>3.3</b>
Time in Township	<1 year	5.0	6.0	-	5.0	6.0	6.0	3.0	5.0	5.0
	1-5 years	4.8	4.5	4.2	5.0	4.3	4.8	5.0	4.0	3.3
	6-10 years	5.3	4.7	5.2	4.5	4.0	5.5	4.8	5.0	3.0
	10+ years	4.7	4.5	4.6	4.3	4.5	4.2	4.3	4.2	3.3
Number of Employees	1	5.0	5.0	5.5	-	4.0	6.0	5.0	5.5	2.0
	2-10	4.7	4.4	4.1	4.6	4.1	4.5	4.6	4.1	3.6
	11-25	5.0	4.5	4.8	3.5	5.0	4.3	4.3	4.2	2.5
	26-50	4.3	4.1	4.8	4.0	5.0	2.0	3.3	2.0	2.0
	50+	4.9	5.0	5.1	4.8	4.6	4.7	4.6	4.5	3.7
Continue Service?	Yes	4.7	4.8	4.7	4.5	4.5	4.5	4.3	4.2	3.9
	No	6.0	3.4	3.3	4.0	4.5	3.0	4.7	4.0	2.2
	Not sure	4.5	4.7	5.0	3.0	4.3	5.0	4.4	5.0	1.8

## 2017 Cascade Charter Township Bus Service Study - Local Businesses

Overall		105	100%
Time in Township	<1 year	1	1%
	1-5 years	17	16%
	6-10 years	13	12%
	10+ years	72	69%
Number of Employees	1	6	6%
	2-10	45	43%
	11-25	25	24%
	26-50	15	14%
	50+	12	11%

How the bus service has affected your business
We here @ Sentinel Pointe have approx. 15 staff members that rely on the bus service daily to get here for their job. Without this service we would lose valuable employees.
It has not helped. I am 200 yards away from bus stop and across the street
Allowed employees to ride the bus when vehicle is at the shop or not available.
Not sure if any employees or customers use bus service
It hasn't.
No affect. Only 2 employees here who drive for their occupation.
Our guests without vehicles use it to get around 28th St
Unfortunately, we recently experienced a break-in where investigators found the perpetrators rode the bus to this area from the inner city to conduct criminal acts. With that said, bus service can be beneficial to the area.
We don't see any customer's who use the bus
Hasn't
People wanting to use restroom - waiting inside with bad weather - wanting change - having to pick up trash at bus stop
None
We're a car wash so every customer comes in a car. I can't say it affects us at all.
Low ridership numbers most buses are empty!
Don't know
The stop is just before our business entrance - so when the bus is stopped - our entrance is blocked to cars
Maintaining staff
I have treated dental patients through a Donated Services program that used the bus to reach my office
It has not.
It improves the 'marketability' of our office space to prospective tenants who have employees that do use the bus service.
Staff can use bus service to get to work versus drive only...
I have not been able to directly link the bus service with an increase of business. I was hoping to attract employees though, which I have not yet.
I have multiple employees who utilize the bus service.
None known
The bus service provides backup for my car
Provides transportation to 3 employees
We have customers who take the Rapid to come in and start up their insurance with us and it also makes it easier for current customers to get here to make payments or changes.
It is available to employees.
Patients that do not drive - very convenient!
It allows those with lack of transportation to get here!
Not applicable
If an employees car was to break down they could always catch bus to work till they figured something else out
With no stop very close guest find it hard to explore downtown
I have 4 employees who use the bus service to get to work
More businesses interested in locating here
None Theft has risen
It has not. My customers and employees do not rely on the bus.
Don't know
We work with clients who often don't drive.
Foot traffic
Professional office - not the clientele that we serve.

Questions have been raised about safety with my employees over people coming from outside the area
doesn't allow for our employees to get here in a timely manner.
My employees (while I pay above minimum wage) do not have reliable transportation and the bus provides them a way to get to work. As well, a # of millennials do not have cars.
None
I am not aware of any affect on my business, but I believe it could have an affect on ability to hire employees.
NO
It hasn't
Bus service brings hoodlums into the community.
I can't think of one.
We definitely have been able to attract more applicants
Just a few time one of the staff had problem with his car took bus. But it was too far from the buses.
No effect
During winter people/customer to my store due to having bus service nearby
Greater customer access to the business with the bus coming all the way into Cascade and it has opened up a larger pool of applicants who can now apply for work because of the bus
Many of our employees utilize this service
We have several tenants that would not be here if not for the bus service. We are also finding when new tenants are looking in the area, having bus service has become a very important question they have in their evaluation of locations.
There are many people at the bus stops so it is bringing people into Cascade

Other Approaches to Fund After 2018
Encourage more people to ride the bus!
Private donors.
Businesses that are retail, or employee larger than 5-10 employees, can donate.
Increase fares to cover cost.
Take money from existing funds only
The projected cost seems inflated
Ridership should pay to ride
Maybe make bus fare more for everyone but seniors
Fee increases, donations, grants, solicit funding from businesses
Have businesses pay an annual fee for the service to continue
Smaller Rapid Service Bus. Do empty buses make sense for \$380,000?
The twsp should not be funding a bus service

Other comments to share
I don't think this is an effective way to spend tax dollars
Most of the time we do not see enough people on the bus! If more retail business was in Cascade I could see the potential for a bus. We should work on, filling up the empty commercial property we have had for the last several years, to justify keeping the bus line. We need shops to pull in customers. 28th St and Patterson bad stop area, causes traffic back up all the time in an already congested area.
It would be a step back if bus service would stop!
I do not believe there is enough demand for bus service.
I'm sure it's valuable for local people to get around to stores and workplaces in the area
It does not affect our business. Would not like to pay for service we don't use.
Cost may not be justified by utility of resource. Primary use appears to be minimum-wage workers.
The bus is helpful, but costly
In regards to question 3, waste of tax dollars. In regards to question 5, I do not believe that any of these reasons justifies the huge cost to the township. The cost of the service simply does not benefit enough township tax payers to justify the service any longer.
The township business' cater to affluent customers - do they actually ride a bus? Ours do not!
I don't see the bus service helping my bus. at all
I don't pay real close attention to it, but I don't see many people on it.
Cascade Township should not violate the Michigan Public Health Code for promoting Public Health and allow for advertising via street placards for flu shots. Alex Rinougli
A utilization report would be valuable - how many use the service? where? why?
As a business operator, I am very happy having the bus service not only for staff; but for guests that are used to/comfortable using public transit!
I believe it benefits the township as a whole.
Don't ask local businesses to pay for service w/o benefit to businesses.
380K for a single line seems poorly managed
Try to continue its use
I think its great!
I see bus empty, no one travelling most of the time. I am anticipating, no business owner/manager aware of any of the question/answer, unless we know from the study that how many of the citizens use this service, and at what cost?
One of the first questions should have been, "Do any of your employees or customers use the bus service?". If the answer was no, that should be the end.
The bus service is a great thing for local businesses, unemployment is low so we need to attract employees.
Our taxes are already too high. They can pay for it out of the surplus instead of building anen. township hall.
The bus service is a complete waste of resources!
Make it profitable or even or don't get involved
Who gets the bus fare, shouldn't the fare goes towards the program?

Would like more involvement
jan@airleader.us
baymontgr@gmail.com
David R. Prindiville (616) 975-9807
jeffreyreavis@gmail.com
brian@cascadeprint.com 616-222-2937
Scott.Vagel@nothingbundtcakes.com
prbiruk@gmail.com 616-283-9844

**From:** [Michael McDaniels](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 12:19:43 PM

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## Responses below in red

On Monday, May 10, 2021, 11:03:42 AM EDT, Sandra <sandra@cascadetwp.com> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate current data and information.

If you would please respond to the questions below it would be helpful.

The DDA will meet Tuesday, May 18 at 5:30p.m. to discuss the 2021/2022 contract, and written comments received prior to Friday, May 14 will be included in the agenda packet provided to the DDA board. You are welcome to attend the meeting (virtually) to provide your comments as well. Please click the Zoom link below to join the DDA meeting on Tuesday, May 18.

<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business? I don't think so
2. Do you have employees who use the bus? No
3. If so, approximately how many?
4. Does it bring customers to your business? No

5. Do you have tenants who request to be on the bus line? No
6. What would the impact to your business be if the bus no longer served the Township? Probably none
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Best Western 28th Street-Grand Rapids, MI](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Tuesday, May 11, 2021 7:31:03 AM  
**Importance:** High

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The bus in Cascade is a must, without it alot of our employees would never get to work.

---

James Koukios

Best Western Hospitality Hotel & Suites

5500 28th St. SE

Grand Rapids MI, 49512

Email: [bestwesternfd@grandhospitality.net](mailto:bestwesternfd@grandhospitality.net)

Phone#: 616-949-8400

Fax#: 616-949-9021

Central Reservations: 1-800-528-1234

On 2021-05-10 11:01, Sandra wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate current data and information.

If you would please respond to the questions below it would be helpful.

The DDA will meet Tuesday, May 18 at 5:30p.m. to discuss the 2021/2022 contract, and written comments received prior to Friday, May 14 will be included in the agenda packet provided to the DDA board. You are welcome to attend the meeting (virtually) to provide your comments as well. Please click the Zoom link below to

**From:** [Holly McG](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 10:25:28 AM

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1. Does the bus help your business? No.
2. Do you have employees who use the bus? No
3. If so, approximately how many? Zero
4. Does it bring customers to your business? NO
5. Do you have tenants who request to be on the bus line? No
6. What would the impact to your business be if the bus no longer served the Township? It would positively impact us in that the delinquents riding the bus line into this community and subsequently vandalizing our store and inventory would be deterred and no longer as conveniently able to get here.
7. Additional Comments: We have suffered extensive monetary loss as a result of inner city youth and gang members riding the bus line out to our area, then subsequently stealing cars, smashing windows, vandalizing the building and inventory, mandating us to increase our security systems and protocol, provide additional manpower to facilitate security measures etc. While there are some folks that use the bus line as intended and do not subsequently break the law or threaten the safety of our staff, those people are not contributing to our business as customers or employees. We see no direct benefit from the bus line.

On Fri, May 14, 2021 at 9:10 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate

current data and information.

If you would please respond to the questions below it would be helpful.

The DDA will meet Tuesday, May 18 at 5:30p.m. to discuss the 2021/2022 contract, and written comments received prior to Friday, May 14 will be included in the agenda packet provided to the DDA board. You are welcome to attend the meeting (virtually) to provide your comments as well. Please click the Zoom link below to join the DDA meeting on Tuesday, May 18.

<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

Cascade Charter Township

DDA/Economic Development Director

Phone: (616) 949-1500

[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:

5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

--

Holly McGavin  
Controller  
Betten Imports  
616-301-2100

**From:** [Mark Vandegrift](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 2:45:58 PM

---

See below in Red. Thank you

**Mark Vandegrift**

*Biggby Coffee*

*Big B Partners LLC*

*7758 Stonehaven Dr SE*

*Ada, MI 49301*

*(616) 915-0316 cell*

*E-mail: [markv@biggby.com](mailto:markv@biggby.com)*

*Web: [www.Biggby.com](http://www.Biggby.com)*

**Have Fun - Make Friends - B Yourself - Share Great Coffee**

---

**From:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Sent:** Monday, May 10, 2021 11:01 AM  
**To:** Sandra  
**Subject:** The Rapid Bus Service

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business? **Not that we know of. No Customers or employees.**
2. Do you have employees who use the bus? **No. Not even an applicant.**
3. If so, approximately how many?
4. Does it bring customers to your business? **No. And especially since CoVid. Since March of 2020 only our drive thru is open for business. A bus has not come thru :) LOL**
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township? **None.**
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Jeff Reavis](#)  
**To:** [Sandra](#)  
**Subject:** Bus Line  
**Date:** Monday, May 10, 2021 12:31:29 PM

---

Hi Sandra,

We do not see an impact of the bus line positive or negative.  
We have zero employees or customers who benefit from the bus line.

Crystal  
Cascade Auto  
6169570841

**From:** [Richard L. Siegle, DVM](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 5:04:40 PM

---

Sandra,

1. Does the bus help your business? -- no
2. Do you have employees who use the bus? --no
3. If so, approximately how many? --0
4. Does it bring customers to your business? --no
5. Do you have tenants who request to be on the bus line? --no
6. What would the impact to your business be if the bus no longer served the Township? none
7. Additional Comments:

Richard L Siegle DVM  
Hospital Director  
Cascade Hospital for Animals  
616-949-0960  
[www.chfa.net](http://www.chfa.net)

On Mon, May 10, 2021 at 11:06 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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If you would please respond to the questions below it would be helpful.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

**From:** [Brian Ebbers](#)  
**To:** [Sandra](#)  
**Subject:** FW: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 11:08:04 AM  
**Importance:** High

---

1. Does the bus help your business? Not directly
2. Do you have employees who use the bus? No
3. If so, approximately how many? 0
4. Does it bring customers to your business? No
5. Do you have tenants who request to be on the bus line? N/A
6. What would the impact to your business be if the bus no longer served the Township? Little to none
7. Additional Comments:

Cascade Printing and Graphics  
6504 28<sup>th</sup> Street SE Grand Rapids, MI 49546  
Phone: 616-222-2937  
[www.cascadeprint.com](http://www.cascadeprint.com)  
[brian@cascadeprint.com](mailto:brian@cascadeprint.com)

---

**From:** info@cascadeprint.com [mailto:info@cascadeprint.com]  
**Sent:** Friday, May 14, 2021 11:03 AM  
**To:** brian@cascadeprint.com  
**Subject:** FW: The Rapid Bus Service  
**Importance:** High

---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Friday, May 14, 2021 9:08 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service  
**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [CookieCutters WestMI](#)  
**To:** [Sandra](#)  
**Subject:** Bus service  
**Date:** Monday, May 10, 2021 2:19:39 PM

---

Our clients as well as employees do not utilize the bus service. This does not affect us!

Susie

**From:** [Nancy Courser](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 11:11:35 AM

---

Morning Sandra,

Currently we have no one who utilizes the bus. The only time I have is when occasionally (once or twice) I have a client who has no transportation and takes the bus to see us. Not sure where it drops them off but they have walked to our office.

Hope this is somewhat helpful.

NANCY

---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Friday, May 14, 2021 9:08 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** [External] The Rapid Bus Service  
**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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**From:** [Steve Stephan](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:09:52 AM  
**Attachments:** [Outlook-przxss4k.png](#)

---

Hi Sandra,

Here are my responses to the survey.

1. Does the bus help your business? **I do not believe so**
2. Do you have employees who use the bus? **No**
3. If so, approximately how many?
4. Does it bring customers to your business? **I do not believe so.**
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township? **I would have no impact if the bus no longer came to Cascade Township.**
7. Additional Comments:

**Knowing that the bus does not provide impact to my personal business I know that it does others with employees and customers.**

Steve Stephan  
Culver's Owner/Operator  
Cell: 616-581-3507

Cascade      Comstock Park  
616-464-1190      616-784-3400



---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Monday, May 10, 2021 11:01 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service

Good morning,

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whether the DDA will fund a contract extension for the 2021-2022 service year.

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If you would please respond to the questions below it would be helpful.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

**From:** [Larry Walt](#)  
**To:** [Sandra](#)  
**Subject:** Rapid Bus service  
**Date:** Monday, May 10, 2021 1:00:43 PM

---

Hi Sandra, see CAPS BELOW

1. Does the bus help your business? I DONT THINK SO.
2. Do you have employees who use the bus? I DONT THINK SO
3. If so, approximately how many?
4. Does it bring customers to your business? I DONT THINK SO SO.
5. Do you have tenants who request to be on the bus line? I DONT THINK SO SO.
6. What would the impact to your business be if the bus no longer served the Township? I DONT THINK ANY.
7. Additional Comments:

Larry Walt  
President  
Design 1 Salon Spa  
4485 Plainfield NE #108  
Grand Rapids Mi 49525  
616-293-5995  
Sent from my iPhone

**From:** [dis.gr.171.gm.Kim.Halbrehder](mailto:dis.gr.171.gm.Kim.Halbrehder)  
**To:** [Sandra](mailto:Sandra)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Thursday, May 13, 2021 11:59:27 AM

---

Good morning Sandra,

1. Does the bus help your business? Yes
2. Do you have employees who use the bus? Yes
3. If so, approximately how many? 2
4. Does it bring customers to your business? No
5. Do you have tenants who request to be on the bus line? No
6. What would the impact to your business be if the bus no longer served the Township? We would lose two team members and future applicants would be harder to find.
7. Additional Comments:

---

**From:** Sandra [mailto:Sandra@cascadetwp.com]  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** [EXTERNAL] The Rapid Bus Service  
**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Moon, Deb](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:54:09 AM  
**Attachments:** [image002.png](#)

---

Responses listed below

## Deb Moon


Financial Advisor


**EDWARD JONES**

[deb.moon@edwardjones.com](mailto:deb.moon@edwardjones.com)



[Click photo for more information about me](#)

 B: (616)957-3660

 B: TF (855)276-3660

FAX(800)431-3927

---

**From:**  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:**  
**Subject:** The Rapid Bus Service  
**Importance:** High

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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1. Does the bus help your business? **NO**
2. Do you have employees who use the bus? **NO**
3. If so, approximately how many?
4. Does it bring customers to your business? **NO**
5. Do you have tenants who request to be on the bus line? **N/A**
6. What would the impact to your business be if the bus no longer served the Township? **NONE**
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

Financial Advisor  
Edward Jones  
6740 Cascade Rd Se  
Suite 3  
Grand Rapids, MI 49546  
(616) 957-3660  
[www.edwardjones.com](http://www.edwardjones.com)

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For important additional information related to this email, visit [www.edwardjones.com/disclosures/email.html](http://www.edwardjones.com/disclosures/email.html). Edward D. Jones & Co., L.P. d/b/a Edward Jones, 12555 Manchester Road, St. Louis, MO 63131 © Edward Jones. All rights reserved.

**From:** [Dr. Ted Eggleston](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 1:58:52 PM

---

Hi Sandra,

I got your email and these are the answers to your questions:

1. I have only one client (that I know of) that uses the service
2. No employees are using the bus at this time or in the past
3. 0
4. Only have noted one client so far
5. I am the only tenant in our building
6. I do not believe that there would be any negative impact on my practice if the service were discontinued
7. I rarely see any passengers on the bus in the village area but have seen a few on occasion. Seems to be unnecessary in the village area at this time but I do not watch the bus that closely.

Ted Eggleston, DDS

---

**From:** Sandra [mailto:Sandra@cascadetwp.com]  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra  
**Subject:** The Rapid Bus Service  
**Importance:** High

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7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [jason.sutphen.familyfriendsvet.com](mailto:jason.sutphen.familyfriendsvet.com)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:35:40 AM  
**Attachments:** [Outlook-toyx01nj.png](#)

---

1. Does the bus help your business? No, not that I'm aware of.
2. Do you have employees who use the bus? No, not that I'm aware of.
3. If so, approximately how many? NA
4. Does it bring customers to your business? No, not that I'm aware of.
5. Do you have tenants who request to be on the bus line? NA
6. What would the impact to your business be if the bus no longer served the Township? Minimal
7. Additional Comments: I'm not sure what the bus policy is for bringing companion pets (non service) to be honest so I'm not clear on the impact to our business.

**Jason Sutphen**

*Managing Director*

**Family Friends Veterinary Hospital**

Phone: (616) 575-6520 | Fax: (616) 575-5800

\*Now Offering Urgent Care: Fri 4-10pm, Sat 2-10pm, Sun 10am-6pm\*

[jason.sutphen@familyfriendsvet.com](mailto:jason.sutphen@familyfriendsvet.com) | <http://www.familyfriendsvet.com>



---

**From:** Barb Carpenter <barbara.carpenter@familyfriendsvet.com>  
**Sent:** Monday, May 10, 2021 11:27 AM  
**To:** jason.sutphen.familyfriendsvet.com <jason.sutphen@familyfriendsvet.com>  
**Subject:** Fwd: The Rapid Bus Service

Sent from my iPhone

Begin forwarded message:

**From:** Sandra <Sandra@cascadetwp.com>  
**Date:** May 10, 2021 at 11:03:43 AM EDT  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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If you would please respond to the questions below it would be helpful.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
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3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE

**From:** [Laura Sullivan](#)  
**To:** [Sandra](#)  
**Subject:** Bus  
**Date:** Tuesday, May 11, 2021 7:20:07 AM

---

No on all fronts for me.  
Lala

**From:** [Wayne Meulendyk](#)  
**To:** [Sandra](#)  
**Subject:** The Rapid Bus Service  
**Date:** Monday, May 10, 2021 2:11:51 PM

---

1. Does the bus help your business? Not that I am aware of.
2. Do you have employees who use the bus? No.
3. If so, approximately how many? N/A
4. Does it bring customers to your business? No. We have no local customers.
5. Do you have tenants who request to be on the bus line? No.
6. What would the impact to your business be if the bus no longer served the Township? Zero impact.
7. Additional Comments:
  - a. I have read some conversations on the bus line and personally like the thought of having bus service in Cascade TWP. The only time, and it was several years ago, I tried using the GO Bus for my father, but it did not come to Cascade.
  - b. In the discussions of cost vs. benefit, there were many opinions even with the documents available. It would be helpful if it were made plain the historic cost per user for the bus service.
  - c. Looking at the documents It looks like the cost to the Township/DDA is approaching \$10/per person using the bus, while the rider is only paying \$1.75 per ride. Even the least expensive alternate transportation is multiple times more than \$1.75. The cost of the bus should be set at 25% of the cost of some comparable transportation method. The cost of the bus could be 33% or 45% of the operating cost of the bus. Either is better, and alternately stated, the user should be supporting the bus to a greater degree.

Wayne  
Cell: 616.516.3370  
Gage Crib Worldwide Inc.

---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service  
**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Glenn Turek](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 9:51:47 PM

---

Sandra...currently we have no one in our office building that use the busline. However, I am aware of employees of Walmart, Meijer, the hotels, and the restaurants who rely on the busline. Also, there are folks who use the YMCA that rely on the busline...Glenn.

On Mon, May 10, 2021, 11:03 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

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My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

Cascade Charter Township

DDA/Economic Development Director

Phone: (616) 949-1500

[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

**From:** [Hand & Stone Grand Rapids](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Thursday, May 13, 2021 9:24:22 AM

---

Hi Sandra,

Please see my responses below. The Rapid Bus Service impacts my business very little.

Thanks,

Jim

### **Jim Cook**

**Owner Hand & Stone - Grand Rapids**

5557 28th Street SE Suite D

Grand Rapids, MI 49512

Office: 616.208.9880

Mobile: 216.470.6450

-----Original Message-----

From: "Sandra" <Sandra@cascadetwp.com>

Sent: Monday, May 10, 2021 11:01am

To: "Sandra" <Sandra@cascadetwp.com>

Subject: The Rapid Bus Service

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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1. Does the bus help your business? NO

2. Do you have employees who use the bus? NO
3. If so, approximately how many?
4. Does it bring customers to your business? NO
5. Do you have tenants who request to be on the bus line? NO
6. What would the impact to your business be if the bus no longer served the Township? VERY LITTLE
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Howard Atsma](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:32:39 AM

---

1. No
2. No
3. Zero
4. No
5. No
6. No
7. None

On May 10, 2021, at 11:04 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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1. Does the bus help your business?
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3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

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Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Denny Heffron](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 9:36:58 AM

---

1. Absolutely yes
2. Yes, this is their only way to get to work. It is their lifeline to having a job. They do not have a car.
3. 2
4. Absolutely yes. Allows customers from downtown GR to get our products at our Cascade location. Provides them the opportunity to get specialty products such as ours. We have several customers who ride the bus from downtown GR to get our products.
5. n/a
6. We would lose employees and customers. These people rely on the bus for transportation.
7. The bus service is essential to the success of our business for our employees and customers; we greatly appreciate the service. Many other businesses in the area benefit greatly from the service.

Denny Heffron  
616-794-2527 Office  
616-915-2703 Cell



---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Friday, May 14, 2021 9:08 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service  
**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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7. Additional Comments:

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Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Kirk Driesenga](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:26:16 AM

---

Sandra

Per your questions, see my response in red below:

1. Does the bus help your business? **It does. We have several tenants who's employees rely on this service and it was a criteria when they were considering leasing with us vs. other options in surrounding municipalities.**
2. Do you have employees who use the bus? **We do not.**
3. If so, approximately how many? **NA**
4. Does it bring customers to your business? **NA**
5. Do you have tenants who request to be on the bus line? **Almost every Request for Proposal that we fill out (these are mostly for larger and national tenants) has bus line availability as one of the main criteria that they use as a determining criteria when evaluating between options in Cascade and between options in other communities.**
6. What would the impact to your business be if the bus no longer served the Township? **This is difficult to quantify, but I know of one 30,000 sf tenant that would not be here without the bus service and several other totaling over 100,000 sf of additional space that the bus line availability was a variable in there decision to locate within Cascade Township.**
7. **Additional Comments: Every morning when I am in the office I witness multiple (I would estimate 20-30) people walking across our parking lot at Centennial Plaza from the bus going to work at various businesses with in Centennial Park. I would think that without this bus line most of these people would not have access to their employment.**

Secondly, being responsible for leasing several building within the Township as prospective tenants consider which area (the Township or somewhere else) they would consider, one of the critical criteria as mentioned above is that bus line availability is included on almost every request for proposal we receive. There are two reasons for this, one is the availability for workers without transportation to come to work. And second it is something that is becoming more common is people and companies that want to promote a greener option as part of their lifestyle/corporate culture.

I would strongly encourage you to continue the bus line. We are seeing great momentum with this area and would like this to continue.

Please let me know if you have any questions or need additional information.

**Kirk R. Driesenga**

**The Hinman Company**

ph: [616-957-3711](tel:616-957-3711) Grand Rapids

ph: [231-722-0102](tel:231-722-0102) Muskegon

cell: [616-443-6986](tel:616-443-6986)  
[kirkd@hinmancompany.com](mailto:kirkd@hinmancompany.com)

CONFIDENTIALITY NOTICE: This e-mail may be privileged and may contain confidential information intended only for the person(s) named above. Any other distribution, copying or disclosure is strictly prohibited. If you have received this e-mail in error, please notify us immediately by telephone at the number above and delete the e-mail from your computer system.

---

**From:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Subject:** The Rapid Bus Service  
**Importance:** High

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7. Additional Comments:

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Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Mike Kasmauskis](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:17:43 AM

---

Sandra,  
Please see answers below.  
Hope this helps  
Mike

---

**From:** Sandra [mailto:Sandra@cascadetwp.com]  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra  
**Subject:** The Rapid Bus Service  
**Importance:** High

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Image Office Suites – 2828 Kraft Ave SE - 49512

1. Does the bus help your business? [Most Potential Tenants ask if Public Transportation is available?](#)
2. Do you have employees who use the bus? [No](#)
3. If so, approximately how many?
4. Does it bring customers to your business? [Yes, some visitors to the building use the Rapid.](#)
5. Do you have tenants who request to be on the bus line? [Yes, tenants request](#)

this.

6. What would the impact to your business be if the bus no longer served the Township? We would be bringing in less tenants that would utilize retail & services in the local area.

7. Additional Comments: We have seen additional national tenant requests because the Rapid runs along Centennial Park. There is no question that the Rapids route has added more National tenants in Cascade.

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

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Cascade Township  
Attn: Sandra Korhorn  
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Grand Rapids, MI 49546

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DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Anne Gruber](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:13:06 AM

---

I do not think that anyone associated with our business uses the bus service.

I support continuing the bus service to the Cascade area.

On Mon, May 10, 2021 at 11:03 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

Cascade Charter Township

DDA/Economic Development Director

Phone: (616) 949-1500

[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:

5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

--

Anne L. Gruber

**Kumon Math & Reading Center**

[www.kumon.com/cascade](http://www.kumon.com/cascade)

**Follow Us @ Facebook:** [Kumon \(Cascade\)](#)

6810 Old 28th Street, Suite 6

Grand Rapids MI 49546

Office phone 616 977-0729

Cell phone 616 460-6012

Monday through Thursday: 2:30 pm - 7:30 pm

From: [Keagan Rushmore](mailto:keagan@l2advisors.com)  
To: Sandy  
Subject: Re: The Rapid Bus Service  
Date: Friday, May 14, 2021, 9:42:21 AM  
Importance: High

Hi Sandy,

Thank you for keeping us informed. Here are our thoughts on bus service.

- 1) Bus service has not helped our business. It has had multiple deleterious effects on our operations including decreased safety, increased petty crimes and overall feelings of creating an unsafe environment for our staff and customers.
- 2) We have no employees who use the bus
- 3) NA
- 4) We have no customers who use the bus
- 5) We have no tenants who use the bus
- 6) Our business would be positively impacted in the bus no longer served our community.
- 7) There have been a number of ongoing issues with bus service. This bus service was supposed to be a temporary line and the public was not told the true intentions when it was approved. The Rapid and Mejer were not honest with the public of their intentions. Our immediate proximity to this line has had a negative impact on our business and we would like to see it removed, as was originally promised when it was approved as a temporary service.

We have seen a dramatic increase in vagrancy and trespassing on our property. This makes our staff feel unsafe leaving the office after dark.

Trash has greatly increased in the Mejer lot and blows over to our premises. People are coming through and dumping trash on our premises. We now utilize security cameras and have seen people wandering the premises at night, sometimes appearing to be under the influence of substances. We installed the security cameras in response to the increased unwanted foot traffic, trespassing and dumping that has occurred as a result of The Rapid's operations and riders.

The buses themselves are a hazard. They speed and drive too quickly in a 35 MPH zone on Kraft. The drivers regularly drive in the center lane down Kraft all the way from 28th St north to the Mejer entrance. They have almost hit me many times as I am in the lane, waiting to turn left into our building.

The overall effect on the township of having bus service at the Mejer lot has been to increase petty crime and decrease property values. It would improve property values, safety and wellbeing for our staff and customers if the Rapid were no longer operating in the township. I ask that the township immediately suspend service and terminate the operation The Rapid in our township.

Schedule an appointment now with my online calendar! <https://calendar.google.com/calendar?ui=en>

**L2)ADVISORS**

Keagan Rushmore  
keagan@L2-advisors.com



Chuck Rushmore  
chuck@L2-advisors.com

Best regards,

**Keagan Rushmore, MBA, RICP**  
**Financial Planner/SmartVestor Pro**  
**Retirement Income Certified Professional**  
2674 Kraft Ave SE – Grand Rapids MI - 49546  
Office: 616-97-0033  
Cell: 616-862-9609  
[www.L2-Advisors.com](http://www.L2-Advisors.com)  
[www.GLTax.com](http://www.GLTax.com)

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Keagan Rushmore, MBA  
SmartVestor Pro - Financial Planner  
Retirement Income Certified Professional  
(616) 971-0033

Keagan Rushmore is an investment advisor representative of and securities and advisory services are offered through USA Financial Securities (Member FINRA/SIPC) USA Financial Securities is a registered investment advisor located at 6020 E. Fulton St. Ada MI 49301. L2 Advisors is not affiliated with USA Financial Securities.

On May 14, 2021, at 9:08 AM, Sandy <[Sandy@cascoctwp.com](mailto:Sandy@cascoctwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate current data and information.

If you would please respond to the questions below it would be helpful.

The DDA will meet Tuesday, May 18 at 5:30p.m. to discuss the 2021/2022 contract, and written comments received prior to Friday, May 14 will be included in the agenda packet provided to the DDA board. You are welcome to attend the meeting (virtually) to provide your comments as well. Please click the Zoom link below to join the DDA meeting on Tuesday, May 18.

<https://us02zoom.com/join/92117000591>

1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascoctwp.com](mailto:sandra@cascoctwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhonen  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhonen  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1300  
[sandra@cascoctwp.com](mailto:sandra@cascoctwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Bill Krall](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 12:36:52 PM  
**Importance:** High

---

Hi Sandra,

Thanks for always looking our for the business in Cascade! Please see my answers in Red.  
Have a great day.

Best Regards,

Bill Krall  
Leo's Coney Island  
6080 28th Street SE  
Grand Rapids, MI 49546  
248.346.6733  
[bkral44@yahoo.com](mailto:bkral44@yahoo.com)

1. Does the bus help your business?

Yes, The bus does help my restaurant.

2. Do you have employees who use the bus?

Yes, I have several employees that take the bus to work.

3. If so, approximately how many?

2 at the moment but we are only at 50% capacity. I expect that number to increase when restaurants are allowed to be at normal capacity.

4. Does it bring customers to your business?

I'm not sure but I don't think so.

5. Do you have tenants who request to be on the bus line?

N/A

6. What would the impact to your business be if the bus no longer served the Township?

I would lose employees who do not own a car.

7. Additional Comments:

On May 10, 2021, at 11:01 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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<https://us02web.zoom.us/j/82317000993>

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7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township

Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Lynch, Emily](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Thursday, May 13, 2021 6:35:49 PM  
**Attachments:** [image001.png](#)

---

Hi Sandra,

I would say between 100-150 TMs.

Thanks,  
Emily

**meijer**

Emily Lynch | Store Director

Store 050 | 5531 28<sup>th</sup> Street SE | Grand Rapids, MI 49512

P: 616-954-6072 | F: 616-954-6099

[Emily.Lynch@meijer.com](mailto:Emily.Lynch@meijer.com)

---

**From:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Sent:** Wednesday, May 12, 2021 8:48 AM  
**To:** Lynch, Emily <[Emily.Lynch@meijer.com](mailto:Emily.Lynch@meijer.com)>  
**Subject:** RE: The Rapid Bus Service

Good morning Emily,

I appreciate your response to my email. You mention about 50% of your TM's use the bus. Is it possible to put a number on that percentage?

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

---

**From:** Lynch, Emily <[Emily.Lynch@meijer.com](mailto:Emily.Lynch@meijer.com)>  
**Sent:** Monday, May 10, 2021 11:57 AM  
**To:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Subject:** RE: The Rapid Bus Service

Hi Sandra,

Thanks for reaching out!

The bus service absolutely is used by both TMs and also customers, its also used for TMs that work at local business around my store such as the hotels, and restaurants.

As far as the questions below:

- 1) YES-both customers and TMs use it for transportation
- 2) Yes, about 50% of our TMs use the bussing service
- 3) 50%
- 4) Yes
- 5) Not necessarily, but I do notice TMs of the hotels and restaurants using the bus and walking to their place of employment
- 6) It would be detrimental to both sales but also Staffing. The majority of my team rely on the bus route, and in an environment where we are already having a difficult time staffing, losing the bus route would hinder our business as well as other business' around me.

Let me know if you need anything else.

Thanks,  
Emily

**meijer**

Emily Lynch | Store Director

Store 050 | 5531 28<sup>th</sup> Street SE | Grand Rapids, MI 49512  
P: 616-954-6072 | F: 616-954-6099

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**From:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>

**Sent:** Monday, May 10, 2021 11:02 AM

**To:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>

**Subject:** The Rapid Bus Service

**Importance:** High

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate current data and information.

If you would please respond to the questions below it would be helpful.

The DDA will meet Tuesday, May 18 at 5:30p.m. to discuss the 2021/2022 contract, and written comments received prior to Friday, May 14 will be included in the agenda packet provided to the DDA board. You are welcome to attend the meeting (virtually) to provide your comments as well. Please click the Zoom link below to join the DDA meeting on Tuesday, May 18.

<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
2. Do you have employees who use the bus?
3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Dan Wiersma](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 1:01:13 PM  
**Importance:** High

---

Sandra ...

Thanks for forwarding this email, the public bus service is key to the continuation of the economic success of both southeast Grand Rapids generally and Cascade Township specifically. In response to the email, please see my comments / responses below IN ALL CAPS.

Regards -

Dan Wiersma  
OXFORD Partners Inc.  
2900 Charlevoix Dr SE - 160  
Grand Rapids, MI 49546  
T 616-575-6545; xt. 1  
M 616-437-0418  
[dwiersma@oxfordpartners.com](mailto:dwiersma@oxfordpartners.com)

On May 10, 2021, at 11:01 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?

YES. THE EXISTENCE OF THE BUS SERVICE THAT PROVIDES ACCESS TO CENTENNIAL PARK IS KEY TO SUPPORTING THE CONTINUED OCCUPANCY RECOVERY IN THE PARK.

2. Do you have employees who use the bus?

NO. WE ARE A VERY SMALL OFFICE - HOWEVER, I KNOW FOR A FACT THAT A NUMBER OF TENANTS IN OUR BUILDING DO UTILIZE THE BUS SERVICE.

3. If so, approximately how many?

IN OUR BUILDING IT'S ESTIMATED THAT DAILY BUS RIDERS IS +/- 15

4. Does it bring customers to your business?

I DON'T BELIEVE THAT BUS SERVICE IS KEY TO CUSTOMER VISITS AS MUCH AS IT'S KEY TO EMPLOYEE TRANSPORTATION.

5. Do you have tenants who request to be on the bus line?

YES

6. What would the impact to your business be if the bus no longer served the Township?

IT WOULD NOT BE GOOD. TO QUANTIFY THE IMPACT WOULD BE DIFFICULT, HOWEVER THE RETENTION OF BUS SERVICE WOULD BE KEY.

7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

**From:** [PakMail OpsMgr GR](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:12:22 AM

---

1. Does the bus help your business? **yes**
2. Do you have employees who use the bus? **not at the moment, but we have in the past**
3. If so, approximately how many? **N/A**
4. Does it bring customers to your business? **yes**
5. Do you have tenants who request to be on the bus line? **N/A**
6. What would the impact to your business be if the bus no longer served the Township? **less foot traffic, decreased sales**
7. Additional Comments: **public transportation should continue to be made available regularly to residents of the Township**

**Calvin Webb**

*Pro Boxer, Freight and Logistics Heavyweight, 616.649.3439*

---

**Alpine:** 616.785.8181      **Cascade:** 616.285.4622  
**Northland:** 616.364.8383      **Kentwood:** 616.803.5531

On Mon, May 10, 2021 at 11:06 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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If you would please respond to the questions below it would be helpful.

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

**From:** [matt@pitstopcateringgr.com](mailto:matt@pitstopcateringgr.com)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 12:25:39 PM

---

Hi Sandra,

Answers below in ALL CAPS

Quoting Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>:

> Good morning,

>

> I am asking for your input regarding The Rapid bus service in  
> Cascade Township. Currently, the bus contract is set to expire  
> September, 2021. The Downtown Development Authority (DDA), at their  
> next meeting, will be reviewing and considering whether the DDA will  
> fund a contract extension for the 2021-2022 service year.

>

> You may recall providing some input previously regarding how the bus  
> service affects your business, but given that some have recently  
> expressed concern regarding the cost of service vs. the benefit the  
> bus provides to the community, we are asking you to provide an  
> updated response so that the DDA Board can evaluate current data and  
> information.

>

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>

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> 2021/2022 contract, and written comments received prior to Friday,  
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> your comments as well. Please click the Zoom link below to join the  
> DDA meeting on Tuesday, May 18.

>

> <https://us02web.zoom.us/j/82317000993>

>

>

> 1. Does the bus help your business? NOT THAT I KNOW OF  
> 2. Do you have employees who use the bus? NO  
> 3. If so, approximately how many? NONE  
> 4. Does it bring customers to your business? NO  
> 5. Do you have tenants who request to be on the bus line? NO  
> 6. What would the impact to your business be if the bus no  
> longer served the Township? FOR OUR BUSINESS VERY LITTLE 7.  
> Additional Comments:NO IDEA HOW THE BUS LINE HELPS OTHERS GET TO  
> WORK OR SHOP.....I THINK IT DOES FOR SURE HELP SOME PEOPLE. JUST  
> PERSONALLY IT DOES NOT REALLY HAVE AN EFFECT ON OUR BUSINESS

>

> If you could send me an email or letter, it would be appreciated!  
> This information will be passed on to the DDA board as well as our  
> Township Board.

>

> My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)<<mailto:sandra@cascadetwp.com>> or

> the mailing address is:  
>  
> Cascade Township  
> Attn: Sandra Korhorn  
> 5920 Tahoe Dr. SE  
> Grand Rapids, MI 49546  
>  
> Please let me know if you have questions.  
>  
> Thank you!  
>  
> Sandra Korhorn  
> Cascade Charter Township  
> DDA/Economic Development Director  
> Phone: (616) 949-1500  
> sandra@cascadetwp.com<<mailto:sandra@cascadetwp.com>>  
>  
> \*WE MOVED. OUR NEW ADDRESS IS:  
> 5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

--  
Matt Smith  
The Pit Stop  
6479 28th Street  
Grand Rapids MI 49546  
[www.pitstopcateringgr.com](http://www.pitstopcateringgr.com)  
[facebook.com/pitstopcater](https://facebook.com/pitstopcater)  
616-340-5600

**From:** [Tina May](#)  
**To:** [Sandra](#)  
**Subject:** The Rapid Bus Service  
**Date:** Wednesday, May 12, 2021 4:41:41 PM

---

Regarding the email I received recently, here are my responses:

1. Does the bus help your business? It does not impact my business directly however; I have residents who use the bus line at times.
2. Do you have employees who use the bus? Not currently
3. If so, approximately how many?
4. Does it bring customers to your business? At times, my residents have utilized the bus service
5. Do you have tenants who request to be on the bus line? Sometimes
6. What would the impact to your business be if the bus no longer served the Township? I believe it would be a minimal impact however, I can see the importance of having the bus service nearby and would like to see it continue.
7. Additional Comments:

**Tina May**  
Neighborhood Manager



---

**Mobile:** [616.304.9662](tel:616.304.9662) [byRedwood.com](http://byRedwood.com)

2697 Mohican Avenue, Grand Rapids, MI 49546

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**From:** [Bob Schautz](#)  
**To:** [Sandra](#)  
**Cc:** [bobschautz@grar.com](mailto:bobschautz@grar.com)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 11:06:03 AM  
**Importance:** High

---

Sandra, I emailed you a response before but here it is again. I do not think the bus line helps are business. The agents in my office all have cars to meet their clients. Also, People here working in the general area and uses the bus line is not likely to walk into our office. I think it might help a very few of the businesses in the area but not many except in the food service and related businesses. Good luck on your meeting. Best, Bob Schautz

Bob Schautz  
Re/Max SunQuest  
616.550.6968

On Fri, 14 May 2021 13:08:22 +0000  
Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:  
Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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7. Additional Comments:

If you could send me an email or letter, it would be appreciated!  
This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)<<mailto:sandra@cascadetwp.com>> or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)<<mailto:sandra@cascadetwp.com>>

**\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546**

**From:** [Russ Spees](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:59:18 AM

---

Hi Sandra: I will briefly respond to answer the questions listed below. We do not now nor ever have had any employees use the Rapid bus service in Cascade or otherwise. The customer question in N/A. If the service were no longer offered it would have zero impact on our business. Hope this helps. Russ



On 5/10/2021 11:01 AM, Sandra wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

You may recall providing some input previously regarding how the bus service affects your business, but given that some have recently expressed concern regarding the cost of service vs. the benefit the bus provides to the community, we are asking you to provide an updated response so that the DDA Board can evaluate current data and information.

If you would please respond to the questions below it would be helpful.

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business?
2. Do you have employees who use the bus?

3. If so, approximately how many?
4. Does it bring customers to your business?
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

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Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
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Sandra Korhorn  
Cascade Charter Township  
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**From:** [sherry.granzotto](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Thursday, May 13, 2021 9:24:25 AM

---

Good morning Sandra,

Thank you for your email.  
I have provided my responses below.  
Have a great day!  
Sherry

1. Does the bus help your business? The Rapid Bus service is an immense help to Sentinel Pointe as it provides transportation for our staff and residents.
2. Do you have employees who use the bus? We have several employees that are not able to drive, or do not have transportation, who utilize the Rapid Bus.
3. If so, approximately how many? Approximately 6-7
4. Does it bring customers to your business? I have had potential residents, who are no longer able to drive, utilize the Rapid Bus service to tour our community.
5. Do you have tenants who request to be on the bus line? We have several residents who utilize the Rapid Bus when our transportation service is unavailable.
6. What would the impact to your business be if the bus no longer served the Township? Sentinel Pointe would lose some of its valuable employees if the Rapid bus service were no longer available.
7. Additional Comments: We greatly appreciate the Rapid Bus service for our staff and residents!

Sherry Granzotto  
Marketing Director  
Sentinel Pointe Retirement Community  
2900 Thornhills Ave. S.E.

Grand Rapids MI 49546

616-957-9767

[sherry@sentinelpointe.com](mailto:sherry@sentinelpointe.com)

On Wed, May 12, 2021 at 8:34 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning Sherry,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

Cascade Charter Township

DDA/Economic Development Director

Phone: (616) 949-1500

[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:

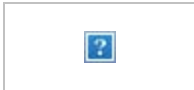
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

--

Sherry Granzotto  
Marketing Director  
Sentinel Pointe Retirement Community  
2900 Thornhills Ave. S.E.  
Grand Rapids, MI  
49546  
Office (616) 957-9767  
Fax (616) 957-9769  
[sherry@sentinelpointe.com](mailto:sherry@sentinelpointe.com)

[Sentinel Pointe facebook](#)

[Welcome Home video](#)



**From:** [Louis Cares](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 5:11:13 PM  
**Importance:** High

---

Hi Sandra

To answer the questions on the Busses:

1. The busses do not help our business!
2. None of our Employees use the busses.
3. Zero employees use the busses.
4. The busses do not bring customers to our business.
5. From speaking to our tenants, they wonder why “empty” busses drive in our parking lot. (Causing the pavement to fail)
6. The impact from lack of busses would be lower maintenance costs on our pavement!
7. The busses are not helpful in Cascade Township.

Thanks

Louie Cares  
(616) 890-5056

> On May 10, 2021, at 11:01 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

>

> Good morning,

>

> I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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> <https://us02web.zoom.us/j/82317000993>

>

>

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- > 7. Additional Comments:

>

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> Please let me know if you have questions.  
>  
> Thank you!  
>  
> Sandra Korhorn  
> Cascade Charter Township  
> DDA/Economic Development Director  
> Phone: (616) 949-1500  
> [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)<<mailto:sandra@cascadetwp.com>>  
>  
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>  
> <winmail.dat>

**From:** [Vicki Lesperance](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 9:28:43 AM

---

Hi Sandra,

Hope all is well with you.

I don't have any input with regard to the bus service as I am unaware of any of my clients using it. None of my employees use it at this time either.

I do not reside in the area so I have not heard anyone talk about it.

Wish I could offer some better input.

Regards,

Vicki

On Fri, May 14, 2021 at 9:10 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

**From:** [Cascade.ED \(Rost, Deborah\)](#)  
**To:** [Sandra](#)  
**Subject:** Bus Service  
**Date:** Monday, May 10, 2021 11:38:42 AM

---

The bus service does help us with getting our employees to work. We are the Assisted Living Community on Charlevoix Drive. We are already struggling to get staff and this would be a very negative impact if we were not on a bus route. At this time we have 5 to 8 employees that use it.

**Deborah J. Rost | Executive Director**

**SUNRISE OF CASCADE**

3041 Charlevoix DR SE, Grand Rapids MI 48849

**Direct:** [616-942-7200](tel:616-942-7200) **Ext:** 5115 **Mobile:** [616-450-7576](tel:616-450-7576)

[SunriseSeniorLiving.com](http://SunriseSeniorLiving.com)  

Check out the Sunrise Podcast, [TheSeniorCaregiver.com](http://TheSeniorCaregiver.com)

**Product (PSWP)**

**This communication and any attached information is privileged and confidential entitled to all appropriate legal protections including Patient Safety Work**

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Sunrise Senior Living offers the finest senior living and care options to seniors and their families. Learn more about Sunrise at <http://www.sunriseseniorliving.com>

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**From:** [Mike Ritzema](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 9:39:45 AM  
**Importance:** High

---

Hi Sandra,

Here are my answers to your questions...

1. Does the bus help your business? No effect
2. Do you have employees who use the bus? No
3. If so, approximately how many? 0
4. Does it bring customers to your business? No
5. Do you have tenants who request to be on the bus line? No
6. What would the impact to your business be if the bus no longer served the Township? None to my business

Mike Ritzema  
President  
Superior Trucking Payroll Service

---

----- On Fri, 14 May 2021 09:08:22 -0400 **Sandra** <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote -----  
-

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [Cory DeMint](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 9:21:23 AM

---

The bus, as far as I am concerned, does nothing for us. None of our employees or customers use it.

***Cory DeMint***  
President

The Electric Cheetah  
Uncle Cheetah's Soup Shop  
The Old Goat

[www.electriccheetah.com](http://www.electriccheetah.com)  
1019 Wealthy St SE STE C  
Grand Rapids, MI 49506

On May 14, 2021, at 9:09 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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Attn: Sandra Korhorn  
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Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

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**From:** [Jeff Coffey](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 12:21:06 PM

---

Hi Sandra,

We do not currently have any employees that use the bus, though in the past we have. The bus does not help our business but I often see people waiting for it nearby. For them, I know it's a necessity.

-Jeff

On May 14, 2021, at 8:11 AM, Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

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**From:** [Heather Masters](#)  
**To:** [Sandra](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 11:14:22 AM

---

Good morning,

I would love to provide feedback. To answer your questions:

1. Does the bus help your business?: As far as I know, it only helps our employees.
2. Do you have employees who use the bus?: Yes. In fact, there are a few who can't work certain days because their routes don't run.
3. If so, approximately how many?: 3-5 full time employees
4. Does it bring customers to your business?: Not the desired kind, unfortunately
5. Do you have tenants who request to be on the bus line?: No
6. What would the impact to your business be if the bus no longer served the Township?: I think it would be a hard hit, not only to my property but to all of the businesses around us. I know the Meijer line is very busy with not only shoppers, but people who work in the area as well. We would definitely lose at least 2 of our top associates if they could not ride the bus.
7. Additional Comments:

*Heather Masters*

General Manager

[towneplacegm@grandhospitality.net](mailto:towneplacegm@grandhospitality.net)

t 616.552.6003

f 616.949.2566

**TownePlace Suites Grand Rapids Airport**

5430 28<sup>th</sup> St. Ct. SE

Grand Rapids, Michigan 49546

**add life to longer stays.**

---

**From:** Sandra <Sandra@cascadetwp.com>  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra <Sandra@cascadetwp.com>  
**Subject:** The Rapid Bus Service  
**Importance:** High

Good morning,

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Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

**From:** [Bev Scranton](#)  
**To:** [Sandra](#)  
**Cc:** [Jen Bouwman](#)  
**Subject:** RE: The Rapid Bus Service  
**Date:** Tuesday, May 11, 2021 1:51:33 PM  
**Attachments:** [pic-1\\_c72ec920-6a52-42db-9189-736a96fcd3db.png](#)  
[VAenterpriseslogo-70percent\\_b74fb442-b87b-40e2-b1a8-7cb4031c6afb.png](#)  
[pic-2\\_03377ad1-2710-41d4-a1aa-c4b9aff1a2c0.png](#)  
[pic-21\\_ecc4e826-2098-49be-89c4-d1312a6fb2f1.png](#)

---

Good Afternoon Sandra,

Please see the answers to your questions below highlighted in **YELLOW**. Thank you,

Beverly



**Beverly Scranton | Executive Assistant**

[Bev.Scranton@vaegr.com](mailto:Bev.Scranton@vaegr.com)

P: 616.808.2711

F: 616.808.2724

C: 616.890.8378

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---

**From:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Sent:** Monday, May 10, 2021 11:02 AM  
**To:** Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Subject:** The Rapid Bus Service  
**Importance:** High

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<https://us02web.zoom.us/j/82317000993>

1. Does the bus help your business? **No, not at all.**
2. Do you have employees who use the bus? **No, they do not.**
3. If so, approximately how many? **-0-**
4. Does it bring customers to your business? **No, it does not.**
5. Do you have tenants who request to be on the bus line? **No, we have not.**
6. What would the impact to your business be if the bus no longer served the Township?  
**No impact at all, since the bus is not used.**
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township  
Attn: Sandra Korhorn  
5920 Tahoe Dr. SE  
Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:  
5920 TAHOE DR. SE, GRAND RAPIDS, MI 49546

**From:** [MGR\\_04413](#)  
**To:** [Sandra](#)  
**Subject:** response to your Rapid bus inquiry  
**Date:** Thursday, May 13, 2021 3:03:56 PM

---

Hi Sandra,

Thank you for giving our store an opportunity to have input on the Rapid Bus service in Cascade. I evaluated the impact the bus stops have on our business as well as discussed with, and gathered the thoughts of my leadership team, and have the below feedback for you:

1. We believe that the bus stops offer limited positive impact to our business.
2. We do not have employees that ride the bus. In 3 years I have only had 1 team member ride the bus to work.
3. N/A
4. Though I'm sure that the bus brings in a small number of customers, it does not seem like it brings enough that it would impact business enough to decrease sales if it were not there.
5. N/A
6. See #4.
7. We have had instances of loss to the store, or even team member property, due to individuals that have arrived via bus. Though I do not have specific dollar value or breakdown of percentage of loss caused by bussers vs drivers, its is a noticeable anomaly.

Thank you,

Tricia Johnson

Store Manager

Walgreens, 28th & Cascade

**From:** [Haley McNeil](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 4:11:26 PM

---

- . Does the bus help your business? not much, we get a few people off it.
2. Do you have employees who use the bus? no
3. If so, approximately how many? none
4. Does it bring customers to your business? yes but not many
5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township? not much-not concerned
7. Additional Comments: If the cost is pretty high than I think we should get rid of the bus service.

On Fri, May 14, 2021 at 9:10 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

Cascade Township

Attn: Sandra Korhorn

5920 Tahoe Dr. SE

Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn

Cascade Charter Township

DDA/Economic Development Director

Phone: (616) 949-1500

[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

\*WE MOVED. OUR NEW ADDRESS IS:

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--

**Haley McNeil-Chapman**  
**Certified Pastry Chef/Owner**  
**Sugar Momma's Bakery & Cafe**

**From:** [Scott Minke](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Monday, May 10, 2021 1:38:30 PM

---

Thanks for the email. Please see below:

1. Does the bus help your business? No
2. Do you have employees who use the bus? No
3. If so, approximately how many? N/A
4. Does it bring customers to your business? None
5. Do you have tenants who request to be on the bus line? N/A
6. What would the impact to your business be if the bus no longer served the Township? No impact
7. Additional Comments: N/A

**Scott Minke**  
X-Golf Michigan  
248.431.8277 (cell)  
[scott@xgolfmichigan.com](mailto:scott@xgolfmichigan.com)



On Mon, May 10, 2021 at 1:31 PM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

Good morning,

I am asking for your input regarding The Rapid bus service in Cascade Township. Currently, the bus contract is set to expire September, 2021. The Downtown Development Authority (DDA), at their next meeting, will be reviewing and considering whether the DDA will fund a contract extension for the 2021-2022 service year.

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6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

My email is [sandra@cascadetwp.com](mailto:sandra@cascadetwp.com) or the mailing address is:

**From:** [John DeVol](#)  
**To:** [Sandra](#)  
**Subject:** FW: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 1:58:59 PM

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Sandra,

Our business benefits from the Rapid Bus Service. We are just beginning to bring people back to the office from the COVID remote work environment, so it is difficult to gauge how many people regularly ride the bus. Historically, we have had at least a couple people that have been regular riders (pre-pandemic). I am not aware of customers that reach us via bus. Our concern if bus service ceased would be a lack of reliable means of transportation for some of our staff. We encourage the DDA to continue the service.

Thanks,

**John DeVol, PE**  
President

**FLEIS & VANDENBRINK**

2960 Lucerne Drive SE, Suite 100 | Grand Rapids | MI | 49546  
O: 616.977.1000 | C: 231.218.7639 | F: 616.977.1005  
[www.fveng.com](http://www.fveng.com)

*Please consider the environment before printing this email.*

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**From:** Larry Fleis <lflais@fveng.com>  
**Sent:** Friday, May 14, 2021 1:20 PM  
**To:** John DeVol <jdevol@fveng.com>  
**Subject:** Fwd: The Rapid Bus Service

---

**From:** "Sandra" <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>  
**Subject:** The Rapid Bus Service  
**Date:** 14 May 2021 09:11  
**To:** "Sandra" <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)>

**CAUTION: \*\*EXTERNAL EMAIL\*\*** DO NOT click links or open attachments unless you recognize the sender and know the content is safe.

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7. Additional Comments:

If you could send me an email or letter, it would be appreciated! This information will be passed on to the DDA board as well as our Township Board.

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Cascade Township  
Attn: Sandra Korhorn  
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Grand Rapids, MI 49546

Please let me know if you have questions.

Thank you!

Sandra Korhorn  
Cascade Charter Township  
DDA/Economic Development Director  
Phone: (616) 949-1500  
[sandra@cascadetwp.com](mailto:sandra@cascadetwp.com)

**From:** [Kristin Carlson](#)  
**To:** [Sandra](#)  
**Subject:** Re: The Rapid Bus Service  
**Date:** Friday, May 14, 2021 2:29:28 PM

---

Here you go!

1. Does the bus help your business? No.
2. Do you have employees who use the bus? NO.
3. If so, approximately how many? 0
4. Does it bring customers to your business? No
5. Do you have tenants who request to be on the bus line? No.
6. What would the impact to your business be if the bus no longer served the Township? It would not.
7. Additional Comments: I support the bus IF there is sufficient ridership for the costs of the bus and it helps our own residents or our own businesses. If it's a few people/day it doesn't seem worthwhile. Also, if it mainly only supports the big box retailers (Meijer, Walmart, etc) I would support them helping to pay for the service, although I haven't thought very much about if this is fair to them or not so I could be persuaded either way on this.

***Kristin Carlson***

be elegant. be unique. be you.

Bridal Elegance  
6865 Cascade Road SE  
Grand Rapids, MI 49546  
(616) 956-1119  
[Bridal Elegance](#)

Salon Hours: Evenings are available and encouraged on all weekdays, by appointment only.  
Monday-Friday 11-5 Saturday 10-4 Sunday Closed

[Find us on Facebook!](#)

On Fri, May 14, 2021 at 9:14 AM Sandra <[Sandra@cascadetwp.com](mailto:Sandra@cascadetwp.com)> wrote:

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5. Do you have tenants who request to be on the bus line?
6. What would the impact to your business be if the bus no longer served the Township?
7. Additional Comments:

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## DDA MEMORANDUM

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**To:** Cascade Township DDA Board

**From:** Sandra Korhorn, DDA/Economic Development Director *SKK*

**Subject:** Discuss Plantings/Pots in Cascade Village

**Meeting Date:** June 15, 2021

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The DDA, at their May 18 meeting, requested additional information on this agenda item. Staff met with Mary at Daylily Floral, walked the Cascade Rd corridor and Mary has provided some additional information.

The project would involve approximately 23-25 new planters and concrete bases for support. The Cascade Rd/28<sup>th</sup> Street intersection would have 2 planters on each corner. I included two maps in the packet, one with ortho photography and one without. The lime green markers show approximate locations of the planters.

Plantings would change with the seasons (summer, fall, winter) with the exception of spring. Due to weather and lack of plants in the spring, the pots would remain empty until around Memorial Day. In addition to fall plants in the pots, Mary has proposed tall corn husks on each of the black lamp posts. For the winter months, Mary has suggested potted spruce Christmas trees, 6-7" tall, which can accommodate a tree topper (solar powered). The trees could then be repurposed/donated.

There is a landscape bed adjacent to the Citgo gas station at the corner of Cascade Rd./Old 28<sup>th</sup> Street. This landscape bed is in rough shape and contains some old plantings (see attached pictures). Mary contacted a friend regarding updating this bed and we are waiting for some pricing.

Also included in the packet is an email from Mary with some pricing, a picture of the planter and planter dimensions. Staff is looking for direction from the DDA board on this project. As mentioned above, we are waiting for pricing on the landscape bed as well as information from the Kent County Road Commission and our irrigation contractor for drip lines for each pot.

## Terrene II Concrete Planter

Diameter: 42" dia.

Height: 31"

Weight: 1110 lbs.

Material:

Concrete

Shape:

Round

Anchoring: Includes (4) 1/2" threaded inserts on bottom for optional anchoring.

Reinforcement: Yes

Drain Hole: 2"



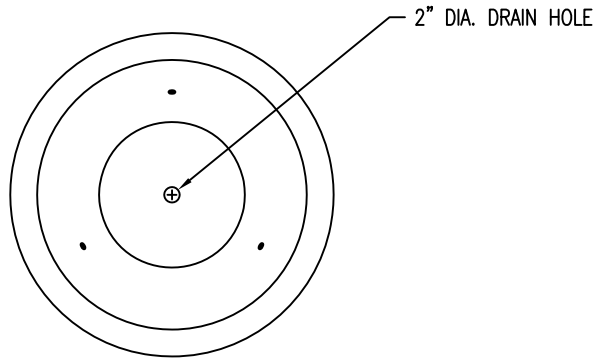


P.O. BOX 1520 WAUSAU, WI 54402-1520  
 800-388-8728  
 E-MAIL: [WTL@WAUSAUTILE.COM](mailto:WTL@WAUSAUTILE.COM)  
 WEB SITE: [WWW.WAUSAUTILE.COM](http://WWW.WAUSAUTILE.COM)

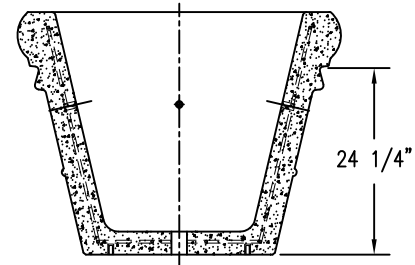
REVISIONS

NAME	DATE	NOTES
1	---	---
2	---	---
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4	---	---
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7	---	---
8	---	---

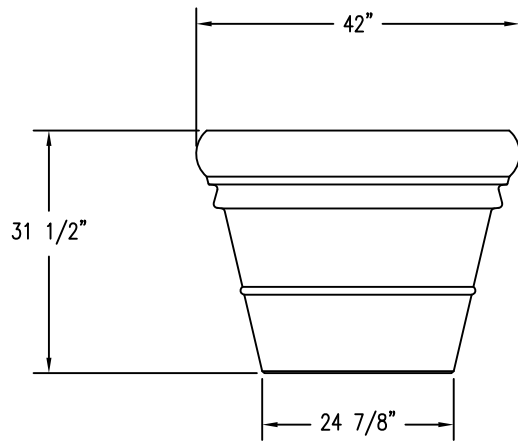
**CONFIDENTIAL INFORMATION**  
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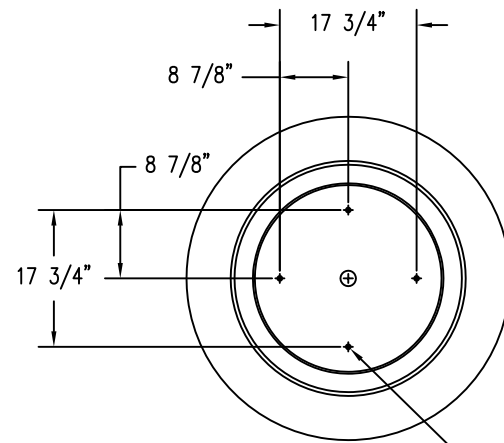
1 TOP VIEW



4 CROSS SECTION



2 ELEVATION VIEW



3 BOTTOM VIEW (4) 3/8-16 UNC S.S. THREADED INSERTS

JOB NAME  
 ADDRESS  
 CITY, STATE ZIP

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 FRACTIONS ±1/8"

DRAWN BY: SK  
 DATE: 7/10/15  
 CO NUMBER: ?  
 WEIGHT: 1,110 LBS

PRODUCT NO.  
 TF 4117



## Product Info:

Wausau Tile

TF4117

Purchase for \$489.00 + freight to be added.

\*\*\*Delivery to Burton Street Twp site

Contact Justin Bolinger:

616-510-9691

justinbolinger@outlook.com

\*\*\* Justin is sending finish samples to Daylily and diagrams of the urn.

Need a cement base for the urns

Round bottom of urn is 25"

Urn 42" wide 30" tall

Cascade Twp would handle this

(See attached PDF)

Sandra

...Map of suggested urns positions

..road commission

Height restriction for the plantings and positions for urns

...Water drip system.

Talk to Aquarius

Get advice and cost from Aquarius

Property owners hopefully will sign on for allowing hook up of water to the drip systems Multiple hook ups for Aquarius should be a better price

Fall 2021

Schedule for planting the week before Labor Day

Each planter will need 1/4 yd of dirt

Will not need to fill the whole urn, have light weight product in bottom

Does Cascade township have access to dirt???

Flowering Kale 3 different colors

Black eyed Susan plants

Low grasses in center

Price inc labor before dirt 200.00 ea

Re: landscape of the corner in front of gas station.

Talked to Thornapple River Nursery... they are really swamped this summer and fall

\*\*\* contacted Peter Doule... Outstanding creative landscaper that has the time to do the project. He is looking at the site this week.

Fall Harvest

Tall corn husks on each black lamp posts

Cascade Rd 42

Old 28<sup>th</sup> 29

Where else?

40.00 each installed by Daylily

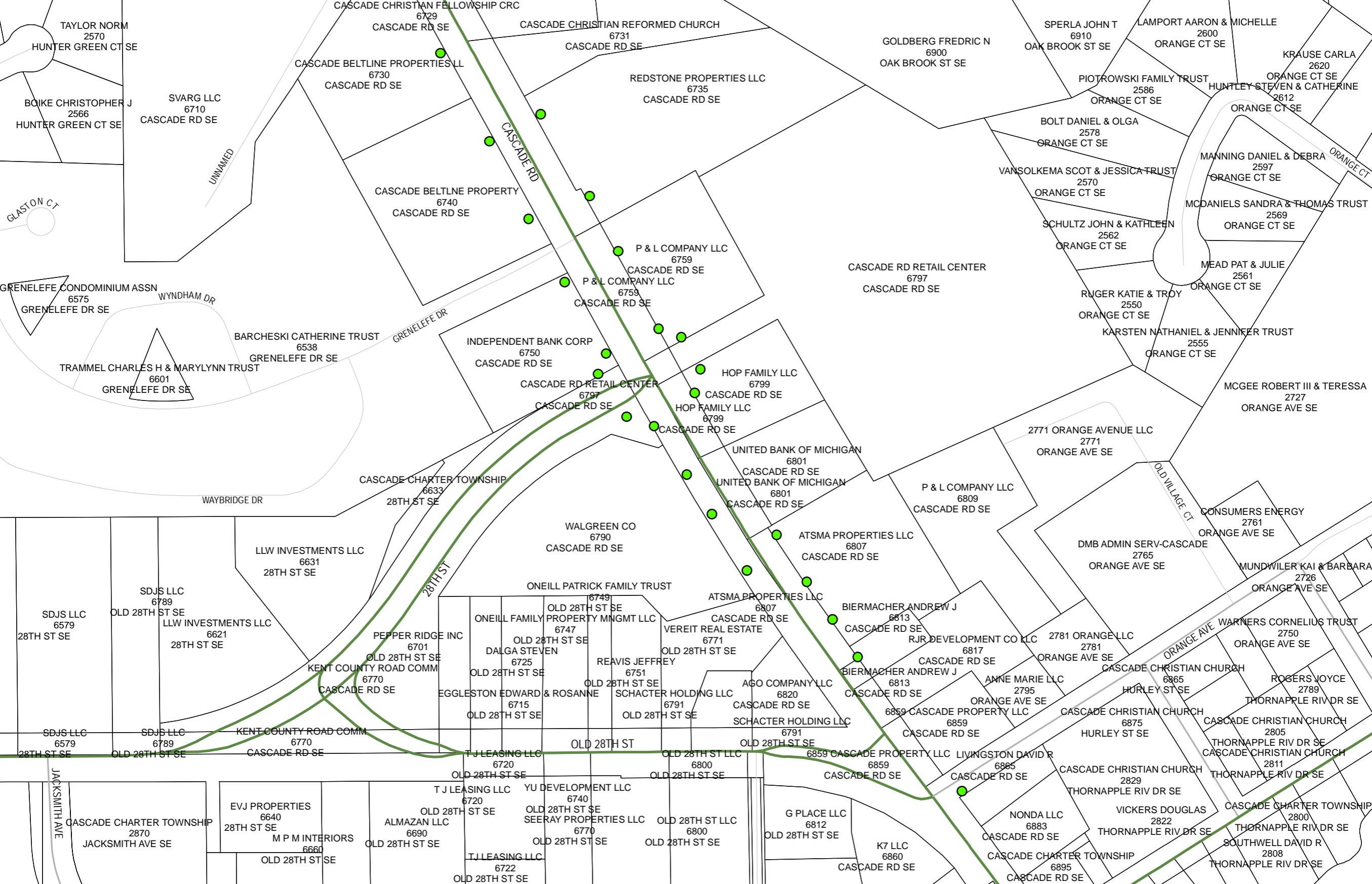
25.00 installed by Cascade Twp

Christmas

Potted Christmas trees 6-7" (Spruce) 200.00

Solar powered LED (Firework shape)

Tree topper 75.00



TAYLOR NORM  
2570  
HUNTER GREEN CT SE

BOIKE CHRISTOPHER J  
2566  
HUNTER GREEN CT SE

GRENELEFE CONDOMINIUM ASSN  
6575  
GRENELEFE DR SE

SDJS LLC  
6579  
28TH ST SE

SDJS LLC  
6579  
28TH ST SE

CASCADE CHARTER TOWNSHIP  
2870  
JACKSMITH AVE SE

SVARG LLC  
6710  
CASCADE RD SE

SDJS LLC  
6789  
OLD 28TH ST SE

SDJS LLC  
6789  
OLD 28TH ST SE

EVJ PROPERTIES  
6640  
28TH ST SE

CASCADE BELTLINE PROPERTIES LLC  
6730  
CASCADE RD SE

LLW INVESTMENTS LLC  
6631  
28TH ST SE

SDJS LLC  
6789  
OLD 28TH ST SE

M P M INTERIORS  
6660  
OLD 28TH ST SE

CASCADE BELTLINE PROPERTY  
6740  
CASCADE RD SE

PEPPER RIDGE INC  
6701  
OLD 28TH ST SE

KENT COUNTY ROAD COMM  
6770  
CASCADE RD SE

ALMAZAN LLC  
6690  
OLD 28TH ST SE

CASCADE CHRISTIAN FELLOWSHIP CRC  
6729  
CASCADE RD SE

CASCADE CHARTER TOWNSHIP  
6633  
28TH ST SE

T J LEASING LLC  
6720  
OLD 28TH ST SE

T J LEASING LLC  
6722  
OLD 28TH ST SE

CASCADE BELTLINE PROPERTY  
6740  
CASCADE RD SE

ONEILL FAMILY PROPERTY MNGMT LLC  
6747  
OLD 28TH ST SE

T J LEASING LLC  
6720  
OLD 28TH ST SE

T J LEASING LLC  
6722  
OLD 28TH ST SE

CASCADE CHRISTIAN REFORMED CHURCH  
6731  
CASCADE RD SE

WALGREEN CO  
6790  
CASCADE RD SE

T J LEASING LLC  
6720  
OLD 28TH ST SE

T J LEASING LLC  
6722  
OLD 28TH ST SE

REDSTONE PROPERTIES LLC  
6735  
CASCADE RD SE

ONEILL PATRICK FAMILY TRUST  
6749  
OLD 28TH ST SE

OLD 28TH ST LLC  
6800  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

P & L COMPANY LLC  
6759  
CASCADE RD SE

VEREIT REAL ESTATE  
6771  
OLD 28TH ST SE

OLD 28TH ST LLC  
6800  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

P & L COMPANY LLC  
6759  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

OLD 28TH ST LLC  
6800  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

CASCADE RD RETAIL CENTER  
6797  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

OLD 28TH ST LLC  
6800  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

P & L COMPANY LLC  
6759  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

OLD 28TH ST LLC  
6800  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

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CASCADE RD SE

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6800  
OLD 28TH ST SE

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OLD 28TH ST SE

P & L COMPANY LLC  
6809  
CASCADE RD SE

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CASCADE RD SE

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CASCADE RD RETAIL CENTER  
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OLD 28TH ST SE

WYNDHAM DR

GRENELEFE DR SE

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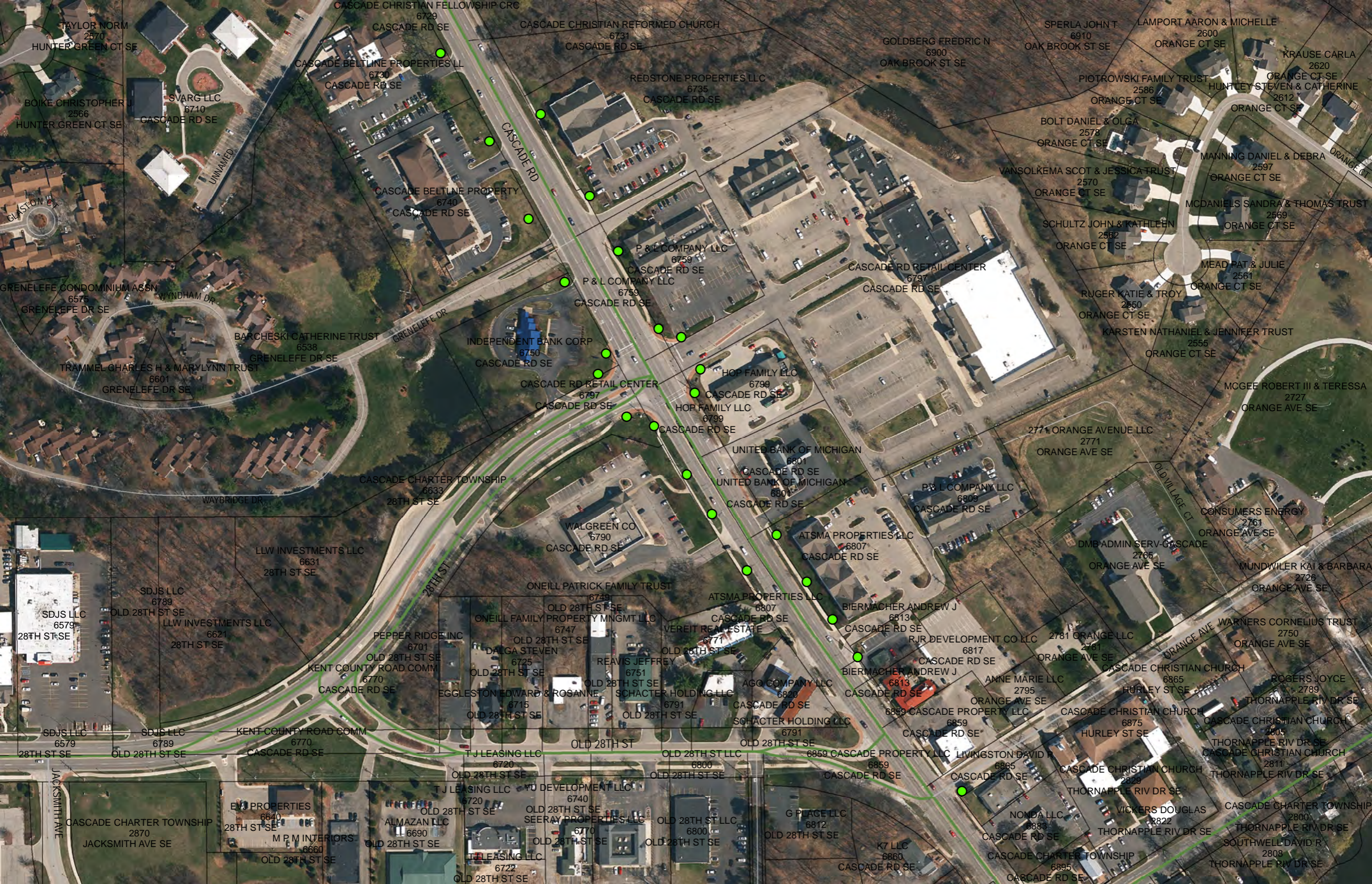
JACKSMITH AVE SE

JACKSMITH AVE SE

JACKSMITH AVE SE

JACKSMITH AVE SE

JACKSMITH AVE SE



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HUNTER GREEN CT SE

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2566  
HUNTER GREEN CT SE

GRENELEFE CONDOMINIUM ASSN  
6575  
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SDJS LLC  
6579  
28TH ST SE

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6579  
28TH ST SE

CASCADE CHARTER TOWNSHIP  
2870  
JACKSMITH AVE SE

CASCADE BELTLINE PROPERTIES LL  
6730  
CASCADE RD SE

CASCADE BELTLINE PROPERTY  
6740  
CASCADE RD SE

BARCHESKI CATHERINE TRUST  
6538  
GRENELEFE DR SE

LLW INVESTMENTS LLC  
6631  
28TH ST SE

KENT COUNTY ROAD COMM  
6770  
CASCADE RD SE

EVJ PROPERTIES  
6640  
28TH ST SE

CASCADE CHRISTIAN REFORMED CHURCH  
6731  
CASCADE RD SE

P & L COMPANY LLC  
6759  
CASCADE RD SE

INDEPENDENT BANK CORP  
6750  
CASCADE RD SE

WALGREEN CO  
6790  
CASCADE RD SE

ONEILL PATRICK FAMILY TRUST  
6749  
OLD 28TH ST SE

EGGLESTON EDWARD & ROSANNE  
6715  
OLD 28TH ST SE

T J LEASING LLC  
6720  
OLD 28TH ST SE

ALMAZAN LLC  
6690  
OLD 28TH ST SE

REDSTONE PROPERTIES LLC  
6735  
CASCADE RD SE

P & L COMPANY LLC  
6759  
CASCADE RD SE

HOP FAMILY LLO  
6799  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

AT SMA PROPERTIES LLC  
6807  
CASCADE RD SE

VEREIT REAL ESTATE  
6771  
OLD 28TH ST SE

SCHACTER HOLDING LLC  
6791  
OLD 28TH ST SE

SEERAY PROPERTIES LLC  
6770  
OLD 28TH ST SE

GOLDBERG FREDRIC N  
6900  
OAK BROOK ST SE

CASCADE RD RETAIL CENTER  
6797  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

AT SMA PROPERTIES LLC  
6807  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

6859 CASCADE PROPERTY LLC  
6859  
CASCADE RD SE

G PLACE LLC  
6812  
OLD 28TH ST SE

SPERLA JOHN T  
6910  
OAK BROOK ST SE

CASCADE RD RETAIL CENTER  
6797  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

AT SMA PROPERTIES LLC  
6807  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

6859 CASCADE PROPERTY LLC  
6859  
CASCADE RD SE

K7 LLC  
6860  
CASCADE RD SE

KRAUSE CARLA  
2620  
ORANGE CT SE

CASCADE RD RETAIL CENTER  
6797  
CASCADE RD SE

UNITED BANK OF MICHIGAN  
6801  
CASCADE RD SE

AT SMA PROPERTIES LLC  
6807  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

BIERMACHER ANDREW J  
6813  
CASCADE RD SE

6859 CASCADE PROPERTY LLC  
6859  
CASCADE RD SE

NONDA LLC  
6833  
CASCADE RD SE



CITGO

Mister  
CAR  
WASH

3.19<sup>9</sup>/<sub>10</sub>  
REGULAR UNLEADED  
3.18<sup>9</sup>/<sub>10</sub>  
DIESEL

CITGO



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## DDA MEMORANDUM

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**To:** Cascade Township DDA Board

**From:** Sandra Korhorn, DDA/Economic Development Director *SKK*

**Subject:** Discuss and Consider DDA Sponsorship for the Cascade Metro Cruise Warmup Event

**Meeting Date:** June 15, 2021

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The Cascade Metro Cruise Warmup Event will be held this year at the Thornapple Centre on August 26. Due to Covid this event was cancelled last year. The committee met and would like to proceed with the event for 2021.

This has been a popular event in the past and it brings people into the community and the business district. It increases awareness of Cascade Township and our businesses. The DDA plan does allow the board to “create, manage and support annual events occurring within the DDA district”.

In the past, the DDA board has always been a great partner and supporter of this event. The Metro Cruise Warmup committee is requesting \$10,000 for sponsorship of the event. Staff is recommending the DDA sponsor the Metro Cruise Warmup event for 2021.

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## DDA MEMORANDUM

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**To:** Cascade Township DDA Board

**From:** Sandra Korhorn, DDA/Economic Development Director *SKK*

**Subject:** Discuss and Consider Virtual or In-Person (Hybrid) Meetings

**Meeting Date:** June 15, 2021

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At this time the Kent County emergency order to allow municipalities the ability to continue virtual meetings expires June 30, 2021. Unless this order is extended, the DDA meetings will be in person (or hybrid) at the Wisner Center.

The hybrid meeting consists of the board and staff attending in person but also gives us the capability to continue Zoom virtual meetings for residents/applicants who are unable to attend in person.