Appendix B Assessment of Current Conditions

Assessment of Current Conditions

Brewer Village Partnership Initiative

City of Brewer, Maine

August 21, 2024

Prepared for:

City of Brewer



Prepared by:

Stantec



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STUDY CONTEXT

Brewer sits along the Penobscot River, just across from its sister city Bangor. Together, Brewer and Bangor serve as the urban and cultural center of Northern and Eastern Maine. Brewer's rich history of industry and culture in the heart of Maine, central to key regions in the state make it a desirable place to live, work, and visit. This study is a result of Brewer teaming with the Maine Department of Transportation (MaineDOT) under a Village Partnership Initiative (VPI); an effort for the State and City to invest in improvements to transportation for all modes of travel and place-making in the mixed-use environment from small village to city downtowns.

This report intends to detail the current conditions of the study area, defined in the **Figure 1.** The study area for this Village Partnership Initiative encompasses Downtown Brewer, Route 1A (Wilson Street), Route 9 (North Main Street), Center Street, and State Street, as well as Jordan Street and Washington Street.

Included in this assessment are three key elements for a planning-level understanding of the VPI study area's transportation infrastructure:

- Multimodal Traffic Analysis
- Road Safety Audit (RSA) and Field Assessment
- Land Use Analysis

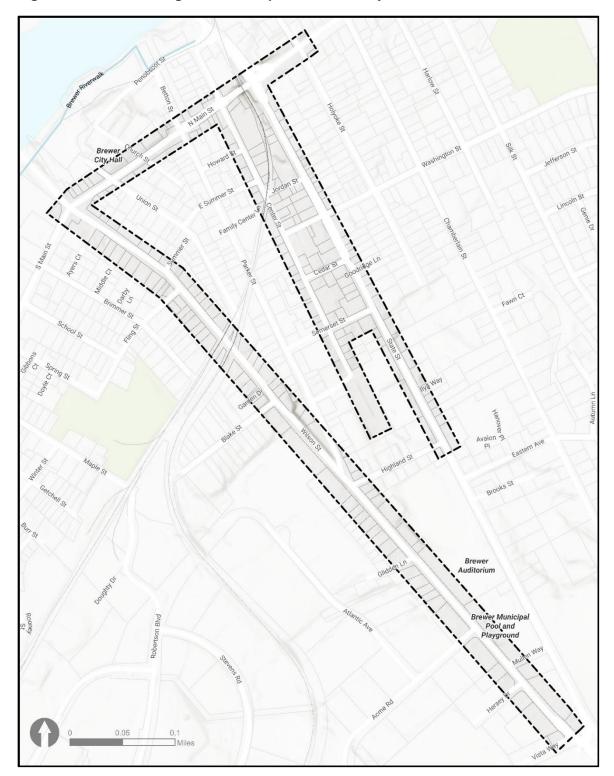


Figure 1 – Brewer Village Partnership Initiative Study Area

MULTIMODAL TRAFFIC ANALYSIS

TRAFFIC VOLUMES

Factored Average Annual Daily Traffic Volumes for the Study Area were accessed through the MaineDOT Public Map Viewer. As **Figure 2** shows, traffic volumes are highest along the state corridors (Main Street, State Street, and Willson St) and is significantly lower on the surrounding residential streets.

To further evaluate existing and future traffic operations, Bangor Area Comprehensive Transportation System (BACTS) Metropolitan Planning Organization (MPO) assisted Stantec and the City of Brewer by leading the turning movement count (TMC) data collection at priority intersections within the VPI study area. The traffic data was collected using video-based traffic counting equipment and conducted over twelve-hour, mid-week periods to capture the operations of a general workday. The data collection not only included general vehicle counts, but were distributed by vehicle category (motorcycle, bus, truck, etc.). In addition, pedestrian and bicycle traffic data was collected at the intersections.

Within the Brewer VPI study area, the following intersections were collected by BACTS in the months of April and May of 2024 and between the hours of 7:00 AM and 7:00 PM:

- North Main Street at State Street Collected April 25, 2024
- North Main Street at Chamberlain Street Collected May 22, 2024
- North Main Street at Center Street Collected May 1, 2024
- North Main Street at Betton Street and Parker Street Collected May 29, 2024
- North Main Street and South Main Street at Wilson Street Collected April 23, 2024
- Wilson Street at Parker Street Collected May 23, 2024

From the TMCs collected above, Stantec identified the morning and afternoon peak hour periods for each respective intersection and identified an appropriate seasonal adjustment to adjust the collected data to the sixth highest week, according to the most recent version of MaineDOT's Annual Traffic Count Report and each intersections' roadways' grouping category. As the study area roadways are considered Group 1 (Urban) roadways in Maine, seasonal adjustment factors were applied to each intersection TMC in relation to its gap to the sixth highest volume week for comparable Group 1 roadways. This amounted to the following seasonal adjustments to their respective intersections:

- North Main Street at State Street Eight percent (8%) increase to counted volumes.
- North Main Street at Chamberlain Street Two percent (2%) increase to counted volumes.
- North Main Street at Center Street One percent (1%) increase to counted volumes.

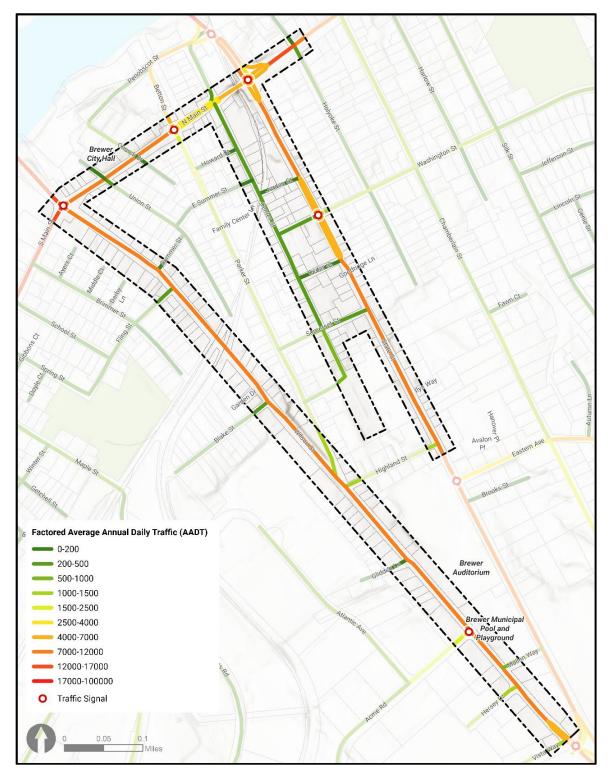
- North Main Street at Betton Street and Parker Street One percent (1%) increase to counted volumes.
- North Main Street and South Main Street at Wilson Street Eight percent (8%) increase to counted volumes.
- Wilson Street at Parker Street Two percent (2%) increase to counted volumes.

Stantec also reviewed MaineDOT's traffic data, available on its public interactive traffic data map, for TMCs and continuous count sites (CCSs) available. The traffic data reviewed from MaineDOT's public map consisted of peak hour intersection TMCs and CCSs from, at a minimum, the most recent five years. Stantec further filtered traffic counts that are likely impacted by COVID pandemic-related policies and practices that would have affected normal traffic volumes and movements in the study area.

Based on the existing information available from MaineDOT, City of Brewer, the data collected from BACTS, and a review of the results that would come from the Brewer VPI Study, Stantec determined the following intersections of public streets within the VPI study area would not be collected as potential recommendations can be provided without capacity analysis:

- North Main Street at Holyoke Street
- State Street Corridor, between North Main Street and Highland Street
- Center Street Corridor, between North Main Street and Center Street's southern terminus
- Wilson Street Corridor, between North / South Main Street and Parker Street and Parker Street
- North Main Street, between Betton Street / Parker Street and Wilson Street

The raw traffic data collection can be found in Appendix A.





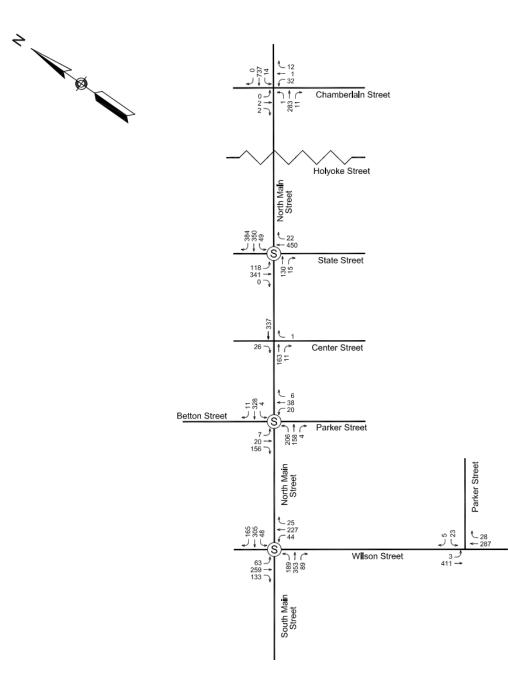


Figure 3 – Morning Peak Hour Vehicle Volumes at Study Area Intersections

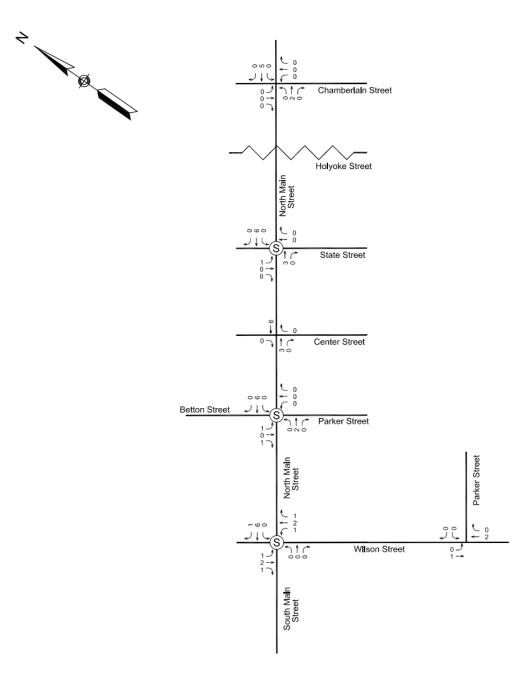


Figure 4 – Morning Peak Hour Truck Volumes at Study Area Intersections

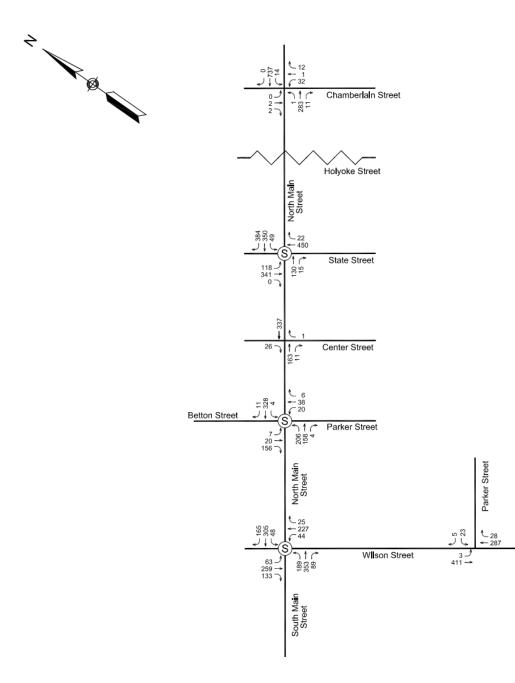
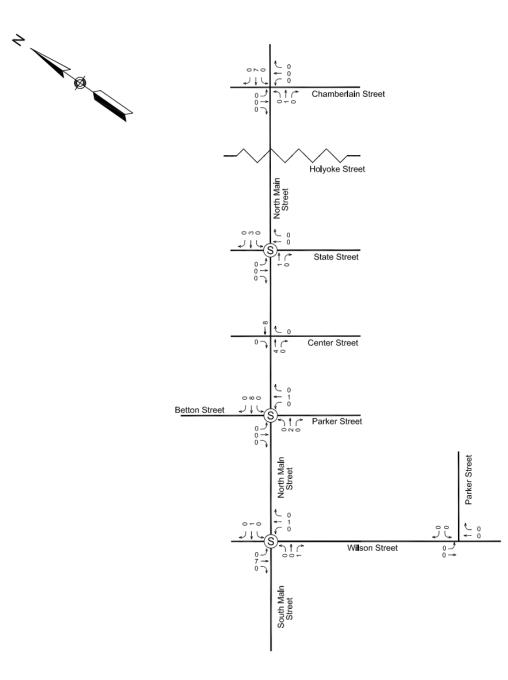


Figure 5 – Evening Peak Hour Vehicle Volumes at Study Area Intersections





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VEHICULAR OPERATIONS

This section summarizes the existing vehicular conditions and operations for the Brewer VPI study area. Stantec has evaluated the existing conditions and operations of the morning and afternoon peak hour traffic associated with the study area. The Transportation Research Board's (TRB's) Highway Capacity Manual (HCM) was used as reference for the estimation of vehicular delays and queues at intersections. The transportation system within the study area was reviewed according to standard engineering practices to document and understand the flow of traffic related to vehicular (passenger vehicles, buses, and trucks) traffic in the study area.

Existing Traffic Operating Conditions

Measuring existing traffic volumes alongside the existing geometries and classification of traffic provides calculated traffic flow within a study area. To assess quality of existing traffic flow for vehicles, capacity analyses were conducted for the project intersections under existing traffic volume, traffic control, and intersection geometry. The capacity analyses provide a standardized indication of the ability of the intersections to accommodate traffic demands placed upon them.

Existing Operating Conditions of Signalized Intersections

On May 24, 2024, Stantec and the City of Brewer entered traffic signal controller cabinets at intersections within the Brewer VPI study area to inventory existing conditions of the signal hardware and software, including comparisons of recorded design or as-built engineering plans with controller timing programming.

During the Road Safety Audit, held on May 23, 2024, the City of Brewer noted that the North Main Street at State Street signalized intersection is included in a coordinated traffic signal system branch with Bangor and an adaptive signal project was to be activated in the weeks following. The traffic signal timings of this intersection assessed for this report are those identified as the base traffic signal timings that the adaptive signal controls can fall back on in case of interruptions or deactivation of the adaptive signal system.

The signalized intersections of North Main Street at Parker Street and Betton Street, North and South Main Street at Wilson Street, and State Street at Washington Street (not analyzed for operations or capacity) were reviewed for their current signal phasing and timings in addition to any time-of-day plans for use in operations and capacity analysis for the VPI Study. This information was used in establishing the existing conditions of these intersections while serving as the foundation for assessing impacts of potential recommendations. Overall, the intersections' signal equipment is in acceptable to good working order and replacement or upgrades to the equipment will not be included in assessment of future conditions or recommendations unless linked to other safety-based improvements to the intersections requiring modifications to the existing signal systems. The City's recent efforts for "low-hanging fruit" improvements to its intersections (North Main Street at State Street visibility and turn prohibitions) are successful applications of safety-based improvements to existing signalized systems.

Level of Service Criteria

Level of Service (LOS), an expression of traffic flow, is a commonly used and accepted measure of effectiveness of peak-hour traffic operating conditions. It considers such factors as automobile and truck volumes, roadway width, speed, grades, parking restrictions, pedestrian activity, and traffic control devices.

LOS is designated in a range from Level "A", which is where a roadway's operating conditions are at their least delayed and congested, to Level "F", which indicates excessive delays and typically jamming level of congestion. Levels "A" through "D" are typically associated with acceptable levels of peak-hour traffic operation within urban areas. At Level "E", the ratio of the approach volume to capacity, or v/c ratio, of an intersection is between 90 and 100 percent of its theoretical capacity. When approach volumes reach or exceed the v/c ratio of 1.00, or 100 percent, this approach is designated as LOS "F", regardless of the delays reported.

All capacity analysis for this study was performed in accordance with the methodologies set forth in the Highway Capacity Manual. As defined in the Highway Capacity Manual, LOS for unsignalized intersections is defined in terms of the average control delay in seconds per vehicle approaching the intersection for the peak 15-minute analysis period of a peak hour. The thresholds are different for unsignalized intersections than signalized intersections. The delay criteria and their associated LOS rankings for unsignalized intersections are given in **Table 1** and signalized intersections are given in **Table 2**.

The Synchro traffic analysis software package (Version 11) was employed to evaluate operating conditions at Study area signalized intersections for existing traffic analyses. The analysis methodology is based on HCM to conduct the analyses and is widely accepted for use by MaineDOT.

| Level of Service | Average Control Delay (s/veh) |
|-------------------------------------------|-------------------------------|
| A | [10.0 |
| В | 10.1 to 15.0 |
| С | 15.1 to 25.0 |
| D | 25.1 to 35.0 |
| E | 35.1 to 50.0 |
| F | > 50.0 |
| Source: Highway Capacity Manual 2010, TRI | 3 |

| Table 1 – Level of Service Criteria for Unsignalized Intersection |
|-------------------------------------------------------------------|
|-------------------------------------------------------------------|

| Level of Service | Average Control Delay (s/veh) |
|--------------------------------|-------------------------------|
| Α | [10.0 |
| В | 10.1 to 20.0 |
| C | 20.1 to 35.0 |
| D | 35.1 to 55.0 |
| E | 55.1 to 80.0 |
| F | > 80.0 |
| Source: Highway Capacity Manua | al 2010, TRB |

Table 2 – Level of Service Criteria for Signalized Intersections

Existing Traffic Operating Conditions

The existing (2024) weekday morning and afternoon peak hour traffic volumes, shown in **Figure 3** and **Figure 5**, were used in the capacity analyses conducted on the study area intersections where traffic data was available. The peak hour truck volumes (**Figure 4** and **Figure 6**) were used as percentages of heavy vehicles per approach. Pedestrian and bicycle volumes (**Figure 8**, and **Figure 16**), approach grades, and general roadway geometries were included in the capacity analysis. The results of this analysis are summarized in **Table 3** and Synchro reports profiled in **Appendix B**.

All studied intersections within the Brewer VPI area operate acceptably at LOS C or better during the morning peak hour period. Some left-turn lanes throughout the study area's intersections operate at LOS D due to their projected average vehicular delays but see low v/c ratios and relatively low 95th percentile queues (when compared to their available storage). The South Main Street northbound left-turn lane onto Wilson Street towards the Chamberlain Bridge operates at LOS E, with average vehicle delays estimated at 56.5 seconds and 95th percentile queue of 276 feet (approximately eleven vehicles).

During the afternoon peak hour period, all studied intersections within the Brewer VPI area operate acceptably at LOS C or better, expect for the signalized intersection of North / South Main Street at Wilson Street which operates at LOS D, with an average vehicular delay of 37.9 seconds. For operations of lanes of this intersection, the worst performing lane is the Wilson Street eastbound left-turn lane operates at LOS F, with an average vehicular delay of 93.6 seconds, v/c ratio of 0.98, and 95th percentile queue of 313 feet, exceeding the existing storage by approximately 100 feet. These excess impacts the operations of the other lanes approaching this intersection from the Chamberlain Bridge. The next worse performing lanes of this intersection during the afternoon peak hour period are the Wilson Street left-turn lane, Wilson Street westbound through-right lane, North Main Street southbound left-turn lane, and Main Street southbound through lane, which all operate at LOS D.

| | AM Peak | | | | | PM | Peak | | |
|----------------------------------|----------------------|--------------------|------------------|------------------|------------------------------------------|--------------------|------------------|------------------|-----------------------------|
| Approach | Turning Movement | Delay ¹ | LOS ² | v/c ³ | Queue ⁴ 95 th % | Delay ¹ | LOS ² | v/c ³ | Queue 95 th % |
| | et @ State Street (| Signalize | d) | | | | | | |
| State St | EB L (2 Lanes) | 44.0 | D | 0.36 | 70 | 43.7 | D | 0.67 | 180 |
| State St | EB T/R | 10.6 | В | 0.35 | 235 | 13.1 | В | 0.51 | 374 |
| State St | WB T T/R | 19.0 | В | 0.36 | 196 | 25.7 | С | 0.46 | 226 |
| N. Main St | NB T T/R | 35.0 | С | 0.23 | 65 | 39.5 | D | 0.66 | 167 |
| N. Main St | SBL | 46.1 | D | 0.34 | 70 | 46.1 | D | 0.37 | 78 |
| N. Main St | SB T | 33.6 | C | 0.67 | 259 | 27.1 | C | 0.39 | 162 |
| N. Main St | SB R | 28.7 | C | 0.43 | 103 | 24.8 | C | 0.00 | 45 |
| OVE | | 25.7 | Č | 0.45 | 105 | 24.0 | C | 0.17 | |
| | et / South Main St | | | et (Sign: | alized) | 20.3 | 0 | | |
| Wilson St | EB L | 36.5 | D | 0.35 | 84 | 93.6 | F | 0.98 | 313 |
| Wilson St | EBT | 25.2 | C | 0.51 | 231 | 29.7 | C | 0.61 | 266 |
| Wilson St | EBR | 11.8 | B | 0.09 | 31 | 16.0 | B | 0.35 | 124 |
| Wilson St | WBL | 40.5 | D | 0.03 | 64 | 42.0 | D | 0.55 | 124 |
| Wilson St | WB T/R | 29.6 | C | 0.60 | 219 | 36.6 | D | 0.33 | 294 |
| S. Main St | NB L | 56.5 | E | 0.83 | 276 | 63.9 | E | 0.85 | 278 |
| S. Main St | NB T/R | 27.2 | C | 0.83 | 450 | 31.9 | C | 0.03 | 435 |
| N. Main St | SB L | 40.6 | D | 0.40 | 67 | 41.4 | D | 0.72 | 73 |
| N. Main St | SB T | 27.6 | C | 0.40 | 265 | 36.3 | D | 0.34 | 367 |
| N. Main St | SB R | 13.5 | B | 0.39 | 36 | 14.5 | B | 0.75 | 35 |
| OVE | | 28.9 | C | 0.11 | | 37.9 | D | 0.00 | |
| | Parker Street (Sto | | - | | | 57.5 | | | |
| Wilson St | EB L | 8.1 | A | 0.00 | 0 | 8.4 | Α | 0.01 | 0 |
| Parker St | SB L/R | 16.1 | C | 0.00 | 8 | 19.1 | C | 0.01 | 10 |
| OVE | | 0.7 | A | 0.10 | 0 | 0.7 | A | 0.10 | 10 |
| | et @ Center Street | - | | \ \ | | 0.7 | | | |
| Center St | NB R | 9.1 | A | 0.01 | 0 | 11.0 | В | 0.02 | 3 |
| Center St | SBR | 10.7 | B | 0.01 | 5 | 9.8 | A | 0.02 | 5 |
| OVER | | 0.7 | A | 0.05 | 5 | 9.8 0.8 | A | 0.00 | 5 |
| | et @ Parker Street | 1 | | t (Signali | zod) | 0.0 | A | | |
| Betton St | EB L/T | 19.8 | B | 0.02 | 28 | 15.5 | В | 0.02 | 34 |
| Betton St | EBR | 19.9 | B | 0.02 | 41 | 15.9 | B | 0.02 | 52 |
| Parker St | WB L/T/R | 20.9 | C | 0.02 | 41 | 16.0 | B | 0.04 | 55 |
| N. Main St | NB L | 19.7 | B | 0.28 | 151 | 20.2 | C | 0.21 | 118 |
| N. Main St | NB T/R | 3.2 | A | 0.55 | 55 | 1 | | 0.35 | 135 |
| N. Main St | SB L/T/R | 18.8 | B | 0.15 | 222 | 5.4 15.3 | A B | 0.40 | 201 |
| OVE | | 16.8 | <u>В</u> | 0.70 | 222 | 12.9 | B | 0.56 | 201 |
| | t @ Chamberlain | | | rollod) | | 12.9 | D | | |
| | NB L | 9.6 | | | 0 | 0.0 | ٨ | 0.00 | 0 |
| N. Main St N. Main St | SB L | 9.6 8.0 | A | 0.00 | | 8.3 | A | 0.00 | |
| Chamberlain St | | 1 | A | 0.01 | 0 | 9.6 | A | 1 | 0 |
| Chamberlain St Chamberlain St | WB L/T/R EB L/T/R | 31.3 | D C | 0.26 | 25 | 34.8 | D | 0.43 | 50 |
| | RALL | 21.3 1.5 | A | 0.04 | 3 | 11.2 2.3 | B A | 0.01 | 0 |
| | | | | | | | | | |

Table 3 – Existing Weekday Peak Hour Intersection Level of Service

BICYCLE INFRASTRUCTURE AND OPERATIONS

One of Downtown Brewer's highlights in transportation infrastructure is the Brewer Riverwalk, a multiuse path along the Penobscot River, beginning at the intersection of Betton Street and Penobscot Street to the north and Burr Street and South Main Street at its southern terminus, approximately 0.60 miles long. However, there are no on-street or off-street bicycle facilities provided strictly within the bounds of the Brewer VPI study area. The City has shown tremendous interest to expand their bicycle infrastructure off of the success of the Brewer Riverwalk trail and encourage multi-use transportation through the Downtown area.

The East Coast Greenway, a 3,000-mile continuous multi-use route for biking, walking, and other activities between Florida and Maine, passes through Brewer via the Riverwalk trail, as well as an alternate route continuing on Betton Street, North Main Street between Betton Street and Wilson Street, and Wilson Street to Bangor. **Figure 7** is a map of the East Coast Greenway and Brewer Riverwalk within and around the Brewer VPI study area.

Figure 8 and **Figure 9** represent the peak hour bicycle volumes along the roadways within the Brewer VPI study area for the morning and afternoon periods, respectively.

Figure 10 shows a heatmap from Strava, a fitness-based geospatial service for tracking exercises and commutes related to running, biking, and other physical modes of travel. The "Global Heatmap" provided by Strava aggregates public activities from the past calendar year. The heatmap shows the priority roadways and pathways used by cyclists in Brewer and neighboring towns for bicycle modes of travel. The heatmap shows a prioritization of cyclists on multimodal popular roadways in the study area, such as State Street, Penobscot Street, Betton Street, North Main Street, and the Brewer Riverwalk Trail, but is also highlighting the importance of the other Downtown minor streets for cyclists to navigate Brewer, including Parker Street, Chamberlain Street, Union Street, and others.

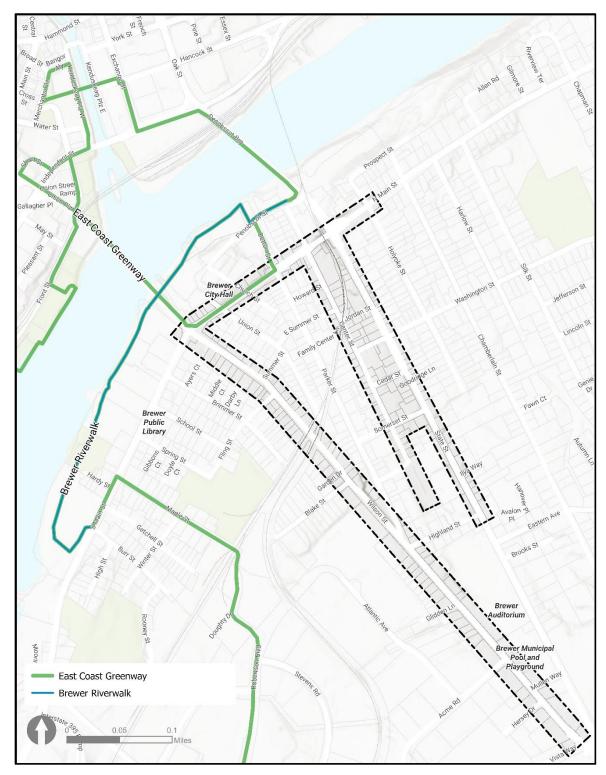
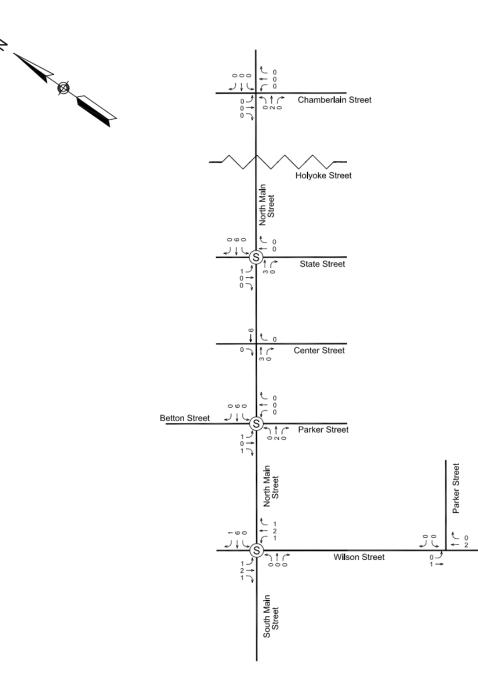


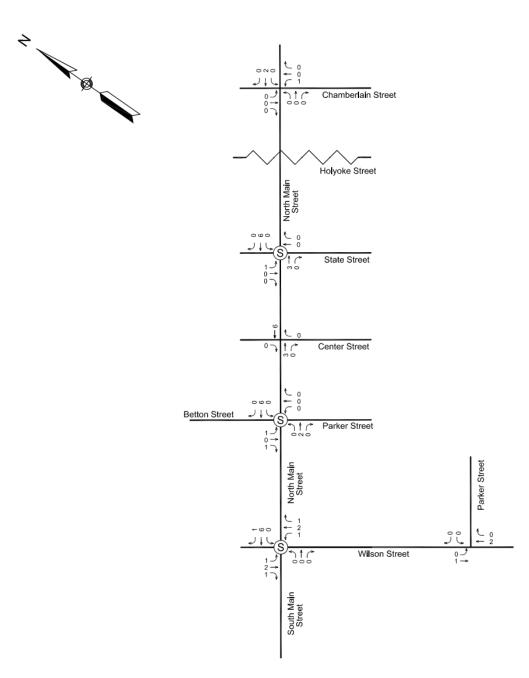
Figure 7 – East Coast Greenway Map – Brewer VPI Study Area

Figure 8 – Morning Peak Hour Bicycle Volumes at Study Area Intersections



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PEDESTRIAN INFRASTRUCTURE AND OPERATIONS

To gain a holistic understanding of the infrastructure in the study area affecting pedestrians, a desktop asset analysis was completed, identifying sidewalk gaps, crosswalks, curb cuts, on-street parking, and wayfinding signage. **Figure 11, Figure 12, Figure 13,** and **Figure 14,** show this analysis, divided into three sections. Significant sidewalk gaps are present on North Main Street between Center Street and State Street, as well as along Center Street, Jordan Street and Washington Street. There are also many large curb cuts, particularly on Wilson Street and State Street, which makes the environment less safe for pedestrians.

The presence of sidewalks does not mean conformance to the most current PROWAG for accessibility, MUTCD for signing, and access management of driveways along the major roadways, as there are many areas where some of the guidelines identified are not met:

- Four feet of continuous clear width of a pedestrian access route
 - Some sidewalks are noted to have less than four feet available for navigating utility poles, signs, and other impedances to pedestrians.
- Grades of sidewalks and curb ramps
- Detectable warning surfaces at pedestrian crossings of the roadway
- Minimum seven-foot clearance to the bottom of signs along pedestrian access routes / sidewalks and crosswalks
- Excessive access driveway openings onto the roadways with no curbing or delineation of roadway and sidewalk.

Due to recent safety-based work of the traffic signals in Brewer, it is notable that steps were made by the City to improve accessibility of pedestrian push buttons throughout the Brewer VPI study area.

Figure 15 and **Figure 16** represent the peak hour pedestrian crossing volumes along the roadways within the Brewer VPI study area for the morning and afternoon periods, respectively.

Figure 11 – Brewer VPI Asset Map



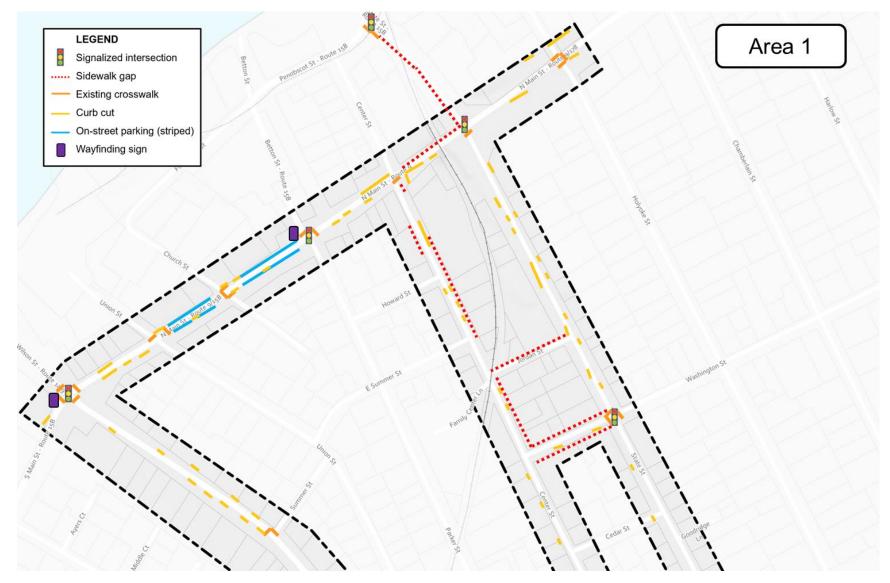


Figure 12 – Brewer VPI Asset Map – Area 1



Figure 13 – Brewer VPI Asset Map – Area 2



Figure 14 – Brewer VPI Asset Map – Area 3

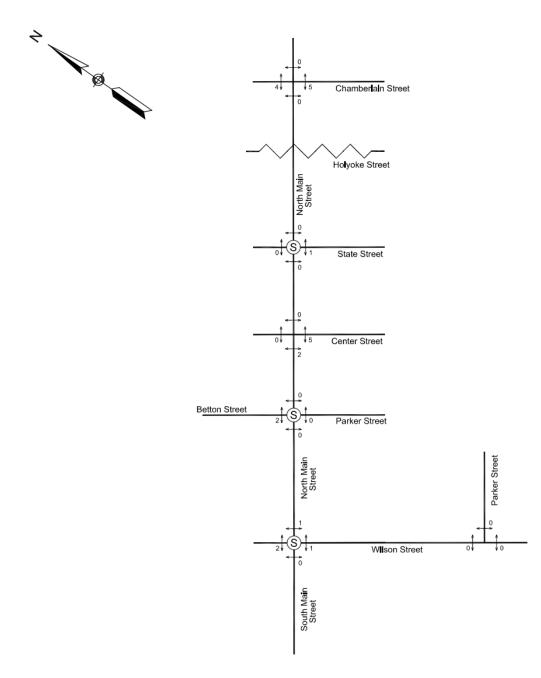
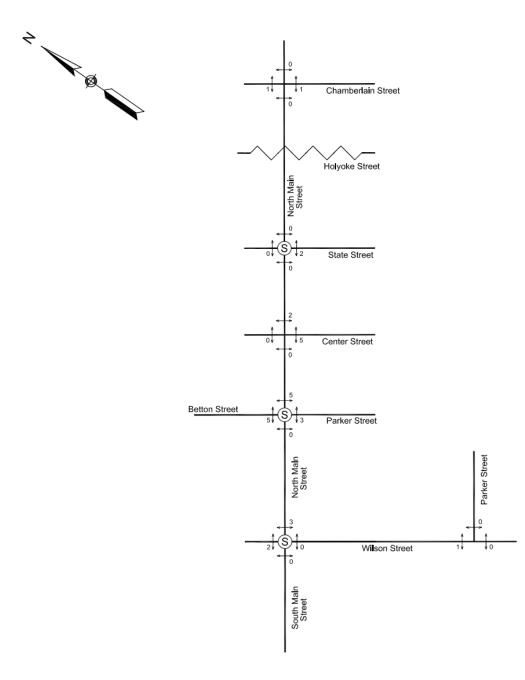


Figure 15 – Morning Peak Hour Pedestrian Crossings at Study Area Intersections





TRANSIT

The only public transportation in Brewer is the Community Connector Bus based in Bangor, which has two routes in Brewer: Brewer North and Brewer South. Brewer South is in the study area at the intersection of Wilson and North/South Main Street. Brewer North is in the study area along the length of North Main Street and in the southern portion of State Street. In June 2024, the Community Connector transitioned from a flagging system to having fixed stops across its entire system. Both routes in Brewer have hourly service. The only bus shelter in the project area is on State Street in front of the Village Centre apartment complex. Ridership on both routes declined from 2019 to 2023 but is starting to increase again in 2024. Given the Covid 19 pandemic, this dip in ridership is expected and consistent with national trends. **Table 4** and **Table 5** show annual ridership since 2019 for each route. **Figure 17** shows a map of the Brewer North and Brewer South bus routes and bus stops.

| Fiscal Year | Annual Ridership |
|---------------|------------------|
| 2019 | 53,272 |
| 2020 | 48,652 |
| 2021 | 31,853 |
| 2022 | 30,936 |
| 2023 | 28,510 |
| 2024 | 40,506 |
| Source: BACTS | , |

Table 4 – Annual Transit Ridership – Brewer North

Table 5 – Annual Transit Ridership – Brewer South

| Fiscal Year | Annual Ridership |
|---------------|------------------|
| 2019 | 46,997 |
| 2020 | 40,822 |
| 2021 | 30,849 |
| 2022 | 30,909 |
| 2023 | 28,855 |
| 2024 | 37,269 |
| Source: BACTS | |

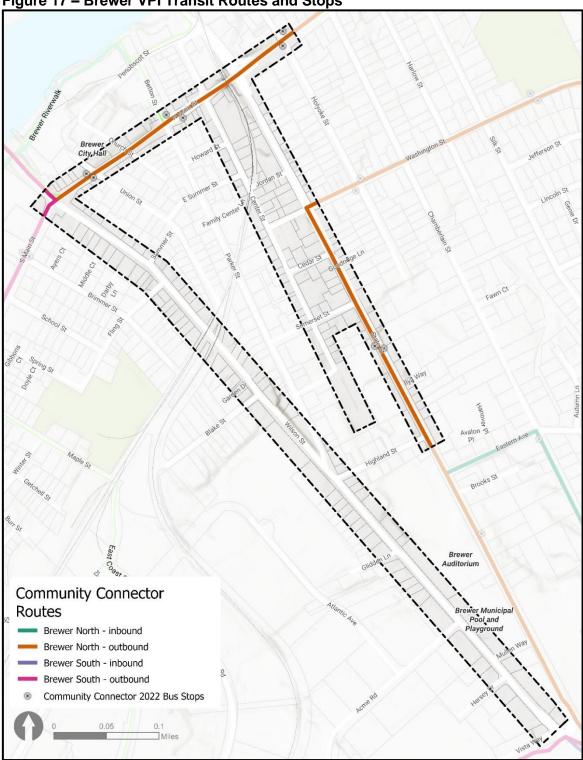


Figure 17 – Brewer VPI Transit Routes and Stops

ROAD SAFETY ASSESSMENT

Included in the scope of the Brewer VPI study is the analysis of safety for all modes of travel within Downtown Brewer, which included the review of available crash data and conducting a road safety audit.

MaineDOT provides a public map, called the Maine Public Crash Query Tool, using Geographic Information Systems (GIS) to identify and make available crash data throughout the State of Maine for download and analysis, as well as identifying High Crash Locations (HCLs) as indicated through calculations of recent crash histories, average daily traffic, and comparison to similar intersection of roadway attributes.

CRASH HISTORY

The most recent complete ten-year period, from 2014 was reviewed using the MaineDOT's Public Crash Query Tool and GIS files downloaded. A heatmap of crashes in the Study Area is show in **Figure 18.** An analysis of the crash data for all reported crashes available through the Tool in the past 5 years (2019-2023) along the Brewer VPI corridors and intersections is summarized in **Table 6**.

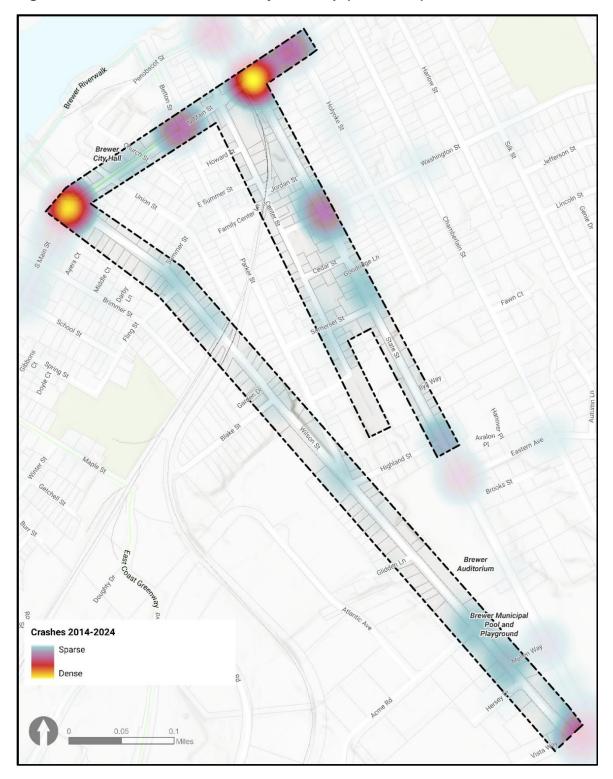


Figure 18 – Brewer VPI Crash History Heatmap (2014-2024)

| | North Main Street at State Street | North Main Street – State Street to Chamberlain Street | North Main Street – State Street to Betton Street / Parker Street | North Main Street / South Main Street at Wilson Street |
|--------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|
| 2019 | 13 | 6 | 13 | 9 |
| 2020 | 11 | 9 | 1 | 10 |
| 2021 | 10 | 1 | 5 | 13 |
| 2022 | 11 | 2 | 3 | 11 |
| 2023 | 10 | 4 | 1 | 10 |
| Total | 55 | 22 | 23 | 53 |
| Average crashes per year | 11.00 | 4.30 | 4.60 | 13.25 |
| Intersection Crash Rate (crashes per million entering vehicles) | 1.43 | - | - | 1.30 |
| Crash Severity | | | | |
| Property Damage Only | 46 | 20 | 14 | 42 |
| Non-Fatal Injury | 9 | 2 | 9 | 11 |
| Fatal Injury | 0 | 0 | 0 | 0 |
| Total | 55 | 22 | 23 | 53 |
| Crash Type | | | | |
| Intersection Movement | 22 | 1 | 10 | 17 |
| Rear-End / Sideswipe | 30 | 17 | 11 | 34 |
| Went Off Road | 1 | 3 | 1 | 0 |
| Bicycle | 1 | 0 | 1 | 1 |
| Head-On | 0 | 0 | 0 | 1 |
| Other | 1 | 1 | 0 | 0 |
| Total | 55 | 22 | 23 | 53 |

Table 6 – Crash Data & Analysis (2019 – 2023)

| | North Main Street at State Street | North Main Street – State Street to Chamberlain Street | North Main Street – State Street to Betton Street / Parker Street | North Main Street / South Main Street at Wilson Street |
|-------------------------|--------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Crash by Month | | | | |
| January | 9 | 0 | 2 | 3 |
| February | 2 | 0 | 3 | 3 |
| March | 7 | 1 | 1 | 3 |
| April | 6 | 1 | 3 | 6 |
| Мау | 6 | 4 | 2 | 4 |
| June | 5 | 2 | 2 | 3 |
| July | 5 | 2 | 1 | 3 |
| August | 1 | 5 | 0 | 6 |
| September | 4 | 4 | 4 | 8 |
| October | 4 | 0 | 2 | 5 |
| November | 2 | 2 | 1 | 5 |
| December | 4 | 1 | 2 | 4 |
| Total | 55 | 22 | 23 | 53 |
| Crash by Time of Day | | | | |
| 12 AM – 2 AM | 0 | 0 | 0 | 0 |
| 2 AM – 4 AM | 1 | 0 | 0 | 0 |
| 4 AM – 6 AM | 0 | 1 | 1 | 0 |
| 6 AM – 8 AM | 5 | 0 | 3 | 2 |
| 8 AM – 10 AM | 6 | 5 | 1 | 4 |
| 10 AM – 12 PM | 10 | 1 | 3 | 5 |
| 12 PM – 2 PM | 6 | 2 | 4 | 9 |
| 2 PM – 4 PM | 3 | 5 | 3 | 6 |
| 4 PM – 6 PM | 17 | 7 | 5 | 17 |
| 6 PM – 8 PM | 3 | 0 | 1 | 8 |
| 8 PM – 10 PM | 2 | 1 | 2 | 2 |
| 10 PM – 12 AM | 2 | 0 | 0 | 0 |
| Total | 55 | 22 | 23 | 53 |

Table 6 - Crash Data & Analysis (2019 - 2023) - Continued

| | North Main Street at State Street | North Main Street – State Street to Chamberlain Street | North Main Street – State Street to Betton Street / Parker Street | North Main Street / South Main Street at Wilson Street |
|--------------------------|--------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Crash by Day of Week | | | | |
| Sunday | 5 | 2 | 1 | 3 |
| Monday | 8 | 1 | 1 | 7 |
| Tuesday | 8 | 4 | 5 | 9 |
| Wednesday | 8 | 5 | 2 | 12 |
| Thursday | 12 | 4 | 6 | 9 |
| Friday | 8 | 4 | 5 | 7 |
| Saturday | 6 | 2 | 3 | 6 |
| Total | 55 | 22 | 23 | 53 |
| Crash Road Surface | | | | |
| Dry | 46 | 21 | 19 | 38 |
| Wet | 5 | 1 | 2 | 12 |
| Snow | 4 | 0 | 2 | 3 |
| Total | 55 | 22 | 23 | 53 |
| Crash Light Condition | | | | |
| Daylight | 42 | 21 | 18 | 41 |
| Dark – Lighted | 10 | 1 | 4 | 5 |
| Dark – Not Lighted | 1 | 0 | 0 | 1 |
| Dusk | 2 | 0 | 0 | 6 |
| Dawn | 0 | 0 | 1 | 0 |
| Total | 55 | 22 | 23 | 53 |

Table 6 - Crash Data & Analysis (2019 - 2023) - Continued

HIGH CRASH LOCATIONS

As referenced by the Androscoggin Transportation Resource Center, High Crash Locations (HCLs) are locations that have eight or more traffic crashes and a Critical Rate Factor (CRF) greater than 1.00 in a three-year period. A highway location with a CRF greater than 1.00 has a frequency of crashes that is greater than the statewide average for similar locations. A CRF is a statistical measure to determine the "expected crash rate" as compared to similar intersections in the State of Maine.

For the years of 2020 through 2023, the following locations were identified as HCLs in the Brewer VPI Study area:

- North Main Street at State Street (Intersection)
- North Main Street, between State Street and Holyoke Street (Segment)
- North Main Street / South Main Street at Wilson Street (Intersection)

A map of high crash locations is snow in Figure 19.

MaineDOT provides crash diagrams for identified HCLs and these were collected from Maine's GIS website after the RSA, so they were not available during the RSA for discussion. The crash diagrams can be found in **Appendix C**.

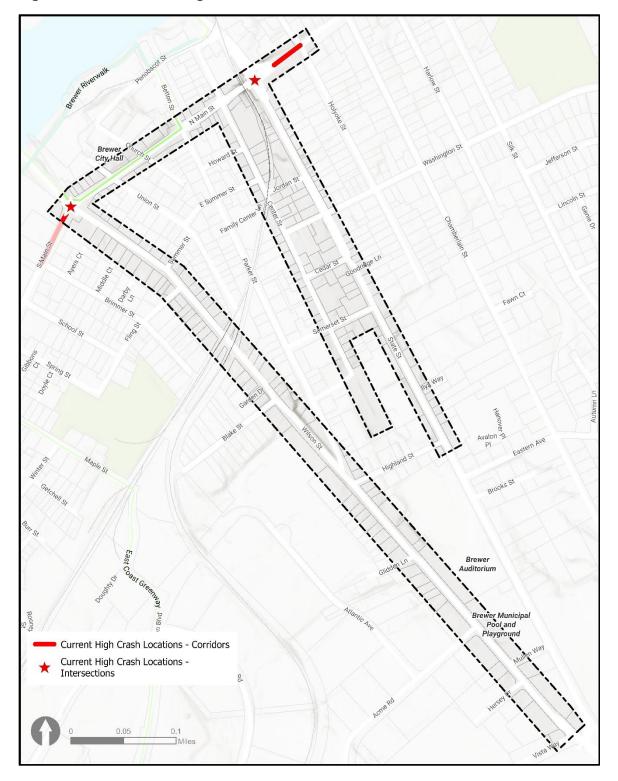


Figure 19 – Brewer VPI High Crash Locations

ROAD SAFETY AUDIT (RSA)

The Road Safety Audit (RSA) was conducted on May 24, 2024 for both the Brewer VPI project and South Main Street Corridor Study, where representatives from MaineDOT, the City of Brewer, and Stantec met at the Joeseph L. Ferris Community Center at 318 Wilson Street. After introductions and presenting the data collected before the RSA, the RSA team conducted a site visit to evaluate and observe four locations along North Main Street prioritized for the audit. After visiting the locations, participants discussed their observations of the areas and identified positive elements of the existing infrastructure as well as safety concerns and deficiencies.

The following locations were visited during the RSA field audit and discussed later in the return to the Community Center:

- Site 1 North Main Street at State Street
- Site 2 North Main Street, between State Street and Holyoke Street
- Site 3 North Main Street, between State Street to Benton Street / Parker Street
- Site 4 North Main Street / South Main Street at Wilson Street

Site 1 – North Main Street at State Street



Figure 20 – Aerial View of North Main Street at State Street Intersection.

North Main Street at State Street is a signalized intersection. The State Street (eastbound), State Street (westbound) and North Main Street (northbound) approaches all consist of one through lane and one shared right/through lane. North Main Street (southbound) consists of a left turn lane, a through lane and a right-turn, yield controlled slip lane. This slip lane is provided pedestrian crossing signs with LED-enhancements when a pedestrian push button is actuated. There are no bike lanes present for any approach. This segment is shown in **Figure 20**.

The North Main Street (northbound) receiving lanes receive two left-turn lanes from State Street (eastbound), however, one of these lanes is a right-turn only lane onto Chamberlain Street, approximately 685 feet north on North Main Street. Two State Street (westbound) receiving lanes are present, however only one through lane is provided from State Street.

Critical information derived from the crash data analysis provides that most crashes occur in dry conditions during the day, with a significant peak of crashes occurring between 4 PM and 6 PM. Ninety five percent (95%) of all crashes are either rear end/side swipe or intersection movement type crashes.

The City of Brewer and MaineDOT have implemented pedestrian improvements recently using "No Right Turn on Red" signs and signal equipment as well as restricting left turns at the north, east, and south legs of the intersection. Actuated pedestrian crossings are available at the same legs providing concurrent pedestrian crossings along their adjacent vehicular through movements.



Figure 21 – Drainage issues at Southeast Corner of State St and North Main Street.

The State Street eastbound approach, North Main Street northbound approach, and State Street westbound approach have high degrees of approach grading, at seven percent (7%), eight percent (8%), and negative six percent (-6%) which impact approach speeds and sightlines between vehicles and between vehicles and other travel modes.

Uneven queuing was observed for left turning vehicles from State Street to North Main Street and N. Main St. (northbound) through and through/right lane which causes traffic to back up in the area. The ramps at all corners could use a review of conformance with the most current Public Right-of-Way Accessibility Guidelines (PROWAG and MaineDOT's "Minimum ADA Requirements for Pedestrian Facilities" Design Guidance) for accessibility. As the field walk for the RSA was conducted after a storm, existing drainage issues were able to be documented and discussed by the RSA team, as reflected in **Figure 21**.

Site 2 – North Main Street between State Street and Chamberlain St

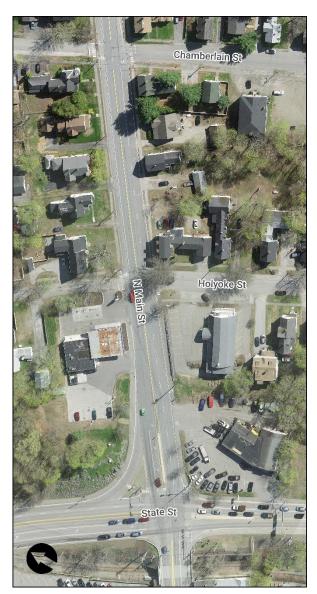


Figure 22 – North Main Street between State Street and Chamberlain Street.

The HCL segment north of State Street along North Main Street was reviewed, which included the unsignalized intersections with Holyoke Street, Prospect Street, and Chamberlain Street, as well as two access driveways for the Irving / Circle K. This segment is shown in **Figure 22**.

Holyoke Street and Prospect Street are stop-controlled approaches to North Main Street, located approximately 300 feet north of the State Street intersection. Both minor roadways are primarily residential streets with low traffic volumes daily. Both approaches of Chamberlain Street to North Main Street at stop-controlled, located approximately 700 feet north of the intersection with State Street.

North Main Street has two uncontrolled travel lanes and a single southbound lane through the intersection with Holyoke Street and Prospect Street northbound. At the North Main Street northbound. There are no bike lanes at any approaches.

Based on crash data, most crashes occur in dry conditions during the day, with a peak between 4 PM and 6 PM during the summer months. Seventy-seven percent (77%) of all crashes are rear end/side swipe and fourteen (14%) are from vehicles running off of the road.

The crossing at Holyoke Street was noted by local RSA attendees as a relatively frequent pedestrian crossing by residents in the adjacent neighborhoods and the access to the Irving / Circle K convenience store. There exists pedestrian crossing signing at painted crosswalks at both intersection in the segment.

During the RSA, it was observed that the pedestrian and STOP signing in the area needs to be updated to meet MUTCD guidelines, including sign dimensions, such as the minimum seven feet above the adjacent grade where pedestrians are active, and improved crosswalk markings. The paved roadway of this section North Main Street was considered by attendees to be rather wide, especially for the mid-bloc pedestrian crossings available at the intersections and geometric ways to reduce the paved area for shorter crossings and positive guidance for speed regulation should be considered. These noted features are represented in **Figure 23**.

The existing lighting along North Main Street are high mast luminaires that provide lighting for the travel way but does not provide enough pedestrian scale lighting at night. The existing travel way, pedestrian sidewalks, and crosswalks geometries at the intersection with Holyoke Street were noted to be affected by the access driveways from the Irving / Circle K.



Figure 23 – Crosswalk at Holyoke Street across North Main Street

Site 3 – North Main Street from State Street to Betton Street and Parker Street

The other HCL segment on North Main Street is south of State Street to the intersection with Parker Street and Betton Street, including the intersection with Center Street. This segment represents the major north-south roadway accessing the City's Historic Downtown and is in close proximity to mixing of all mode types of transportation for the City, from parking available along Center Street and in lots between Downtown businesses and along the Brewer Riverwalk, as well as pedestrian and bicycle connections between business, neighborhoods, and the Riverwalk. This segment is shown in **Figure 24**.

Due to left-turn restrictions at the intersection of North Main Street and State Street, vehicular traffic originating from Bangor and destined for points south on North Main Street are required to take a rightturning movement from State Street onto Penobscot Street then Betton Street along the northwest and west perimeter of Brewer's Downtown, where vehicles can make another right turning movement to continue travel on North Main Street. Vehicular traffic traveling northeast on North Main Street destined for Bangor via State Street will take this same route, but in reverse, with left-turning movements at the signalized intersections of North Main Street at Betton Street and Penobscot Street at State Street.



Figure 24 – North Main Street between State Street and Betton/Parker Street



Figure 25 – North Main Street median and Center Street (West) showing the painted gore and raised media, as well as the Historic Downtown Brewer.

North Main Street has a raised concrete median for the length of this section with a break for full movements entering and exiting the of the OHI Brewer Area Food Pantry and Little Jay's Auto Repair. Center Street's eastbound approach to North Main Street is a one-way eastbound traveled way through the Historic Downtown, with stop-controlled right-turns allowed onto North Main Street. A painted gore is provided as guidance for North Main Street southbound traffic to not commit right turns into Center Street. Center Street's east leg of the intersection with North Main Street is a stop-controlled approach, only allowing right turns onto North Main Street, but northbound North Main Street traffic is permitted to turn right into Center Street. No left turns are allowed from North Main Street into either leg of Center Street due to the median. These features are shown in Figure 25.

Parker Street is an east-west roadway primarily providing access to residential neighborhoods and the arterial roadway of North Main Street. This roadway terminates to the east at an unsignalized intersection with Wilson Street, approximately ½ mile from the western terminus with North Main Street.

Pedestrian crossing facilities are only provided at the signalized intersection of North Main Street at Parker Street and Betton Street and sidewalks are provided along both side of North Main Street through this segment, with continuation of sidewalks provided along both sides of Center Street, Betton Street, and Parker Street. No bike lanes or paths were present along any of the reviewed roadways.

The intersection of North Main Street at Parker Street and Betton Street is a signalized intersection. The Betton Street eastbound approach is provided a shared left/through lane and right-turn lane and North Main Street northbound is provided a left-turn lane and through/right lane, with the protected turning movements programmed to operate with overlap during active green turn signals. All other approaches at this intersection are single left/through/right lanes.

Based on available crash data, most crashes occur in dry conditions during the day, with a peak between 4 PM and 6 PM. Ninety-one percent (91%) of all crashes are either rear end/side swipe or intersection movements. There is a recorded bicycle crash at this location. As mentioned for the North Main Street at State Street intersection, the City has already implemented "low-hanging fruit" safety improvements by prohibiting high-risk turning movements, specifically at the Center Street approach in this study segment. By implementing right turn only at side streets there is reductions required in intersection sight distance for intersection movements, while also reducing the number of conflicts at the intersection.

During the RSA and confirmed a common occurrence from the local members of the RSA team, pedestrians commonly jaywalk at the Center Street intersection with North Main Street, even without pedestrian facilities provided for the crossing. This is due to the residential neighborhoods east of North Main Street accessing the Historic Downtown District and not extending their trip by walking south to the Parker Street signalized pedestrian crossing or walking north, up a relatively steep grade, to the intersection with State Street and committing three additional roadway crossings. There appears to be limited stopping sight distance available due to the grades required to provide an elevated roadway over the active railroad. As seen in the North Main Street segment north of State Street, this segment of North Main Street is provided high mast luminaires for travelled way lighting, although no pedestrian level lighting is provided along this segment. Pedestrian-level lighting is provided along Center Street through the Downtown and shows noticeable contrast during low-light conditions than compared to pedestrian infrastructure along North Main Street, as seen in Figure 26 and Figure 27.

One of the City's goals through the VPI study is to accommodate safe multi-modal connections through this segment, with a vision of a multi-use path and crossing improvements made to Center Street to establish a dedicated connection between the Brewer Riverwalk, Downtown Brewer, and residential neighborhoods to the east. The local stakeholders identified the primary interest of providing pedestrian and bicycle connections Through Center Street, but also interests and substantiating multi-use connections on Parker Street. Center Street and Parker Street will need to be reviewed in



Figure 26 – Center Street pedestrian-scale lighting



Figure 27 – North Main Street at Center Street low-light conditions. This intersection commonly sees pedestrian crossings although no crossings provided

more engineering detail evaluated to improve pedestrian and bicycle circulation and connection to the Riverwalk.

It was observed that the pavement markings and signing in the area needs to be updated to meet MUTCD guidelines, including sign dimensions and crosswalk conditions. The roadway segment's sidewalks were observed to needing further PROWAG and MaineDOT review for accessibility, including pedestrian ramp grades and placement of existing utility poles and lighting poles not allowing for minimum passage. The paved roadway of this section North Main Street was considered by attendees to be rather wide, especially for the mid-block pedestrian crossings available at the intersections and geometric ways to reduce the paved area for shorter crossings and positive guidance for speed regulation should be considered.

The RSA team observed vehicles entering North Main Street southbound via Downtown Brewer from Center Street right-turn movements, traveling the 50 feet south to the break in the North Main Street raised median in this segment, then making a U-turn movement at the break to continue travel on North Main Street northbound.

Local members of the RSA teams noted incidents of North Main Street southbound vehicles making right turns into Center Street to access the Historic Downtown. However, this is a prohibited movement as Center Street is an eastbound-only roadway in this area and the vehicles are illegally travelling westbound. The only notice of this prohibition is a sign showing this prohibition at the intersection and a painted gore supplementing this message, however there is no physical barrier (curbing or raised island) that further prevents this movement.



Site 4 – North Main Street / South Main Street at Wilson Street

Figure 28 – North Main Street/South Main Street at Wilson Street Intersection.

The fourth HCL identified in the VPI study area is the North / South Main Street at Wilson Street signalized intersection. The North Main Street and Wilson Street westbound approaches consist of a left turn lane, a through lane and a right turn lane. South Main Street and Wilson Street eastbound consist of one left turn lane and one shared through/right lane. A public parking lot is provided at the northeast corner of the intersection and the parking lot at the southwest corner of the intersection is for the High Tide Restaurant and Bar. This intersection is shown in Figure 28.

Sidewalks are present along both sides of along all four legs of the intersection, with signalized pedestrian crossings provided across all four controlled legs of the intersection. A direct pedestrian

walkway is provided between the southwest corner of the intersection to the Brewer Riverwalk. There are no bike lanes provided for any approaches.

Based on crash data, most crashes occur in dry conditions during the day, with a peak between 4 PM and 6 PM. Ninety-six percent (96%) of all crashes are either rear end/side swipe or intersection movement crashes. There is a recorded bicycle crash at this location. Majority of the crashes occur mid-week in this location.

The City of Brewer has invested in wayfinding signs at the intersection, as well as beautification and brick pavers to define the pedestrian placemaking of the intersection. The City has also invested in improvements to the pavement surface, pavement markings, and pedestrian crossings along North Main Street between this intersection and the signalized intersection with Betton Street and Parker Street.

A driveway is located at the northeast corner of the intersection, with access located within the North Main Street approach to the signalized intersection. The driveway is uncontrolled, with no intersection control sign provided, nor inclusion into the signal system. Observed during the RSA visit and noted by local stakeholders, access into and out of the driveway is difficult for vehicles that require access to the businesses and residences which utilize this roadway (**Figure 29**). Providing a controlled access to the

intersection was discussed by the RSA attendees and would require further engineering review for inclusion into the existing signalized intersection. Another alternative discussed was to provide improved access through other access points provided farther north on North Main Street or access points onto Union Street.

Although there is ample access for pedestrians in the area, lighting is lacking for safe crossings at night. The curb ramps at this site are causing drainage issues. The intersection is very wide which allows for options for possible reworking of intersection.



Figure 29 – Uncontrolled driveway at northwest corner of the North Main Street at Wilson Street intersection.

LAND USE ANALYSIS

ZONING AND CURRENT LAND USES

Existing zoning and current land uses were reviewed to gain an understanding of both the current and potential future uses. The North Main Street Corridor is primarily zoned Convenience Business. Center Street north of North Main Street is zoned Downtown Development. Most of the rest of the study area is zoned for residential use, with pockets of business zoning within the residential zone. Current land use largely conforms to existing zoning, with a variety of commercial and retail uses along North Main Street, and mostly residential uses in the rest of the study area. **Figure 30** shows zoning in and around the study area, and **Figure 31** show current land uses.

Figure 30 – Brewer VPI Zoning

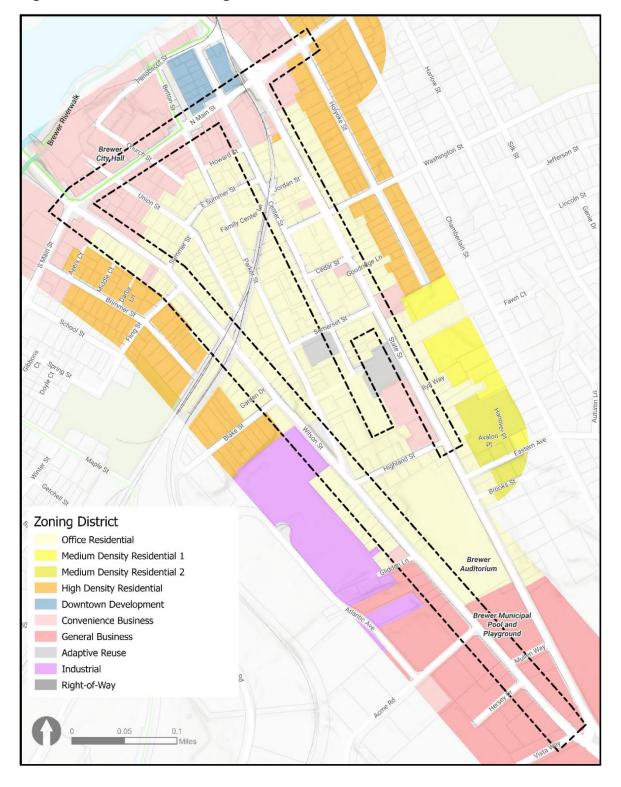




Figure 31 – Brewer VPI Current Land Uses

ENVIRONMENTAL AND HISTORIC RESOURCES

A desktop environmental and historic resources screening was performed for the study area to identify any environmental characteristics in or around the project boundary limits. The characteristics searched for include historic properties, aquifers, wildlife habitats, FEMA flood zones, conservation zones, and wetlands. The characteristics found came from the following sources: Maine Department of Environmental Protection data maps, Maine Fish and Wildlife maps, the National Register of Historic Places and the City of Brewer's Axis GIS Map. While none of the project area itself is in a FEMA Flood Zone, the area near the river, including the Brewer Riverwalk is in the FEMA Flood Zone Subtype with a 1% Annual Chance Flood Hazard. Additionally, there are several properties eligible for the National Historic Registry in and around the study area, but the only listed property is the former Brewer High School located at 5 Somerset Street. **Figure 32** show the environmental and historic resources in and around the study area.

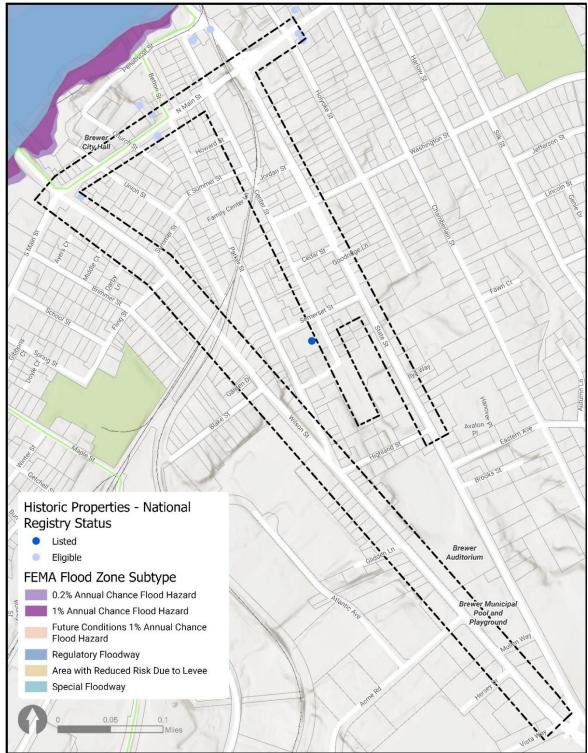


Figure 32 – Brewer VPI Environmental and Historic Resources

APPENDIX A TRAFFIC DATA

| South | | | | stbound | | | hbound | | | bound | | | | |
|-----------------------------|----------------|------------|----------|----------------------|------------|-----------|------------------|-------------|----------------|----------------|----------|---|--------------|----------|
| South Start Time Right | bound A Thi | | Rig | stbound Ap ht Thr | | Nort | hbound A t Th | | Easti Right | oound Ap Th | | | | |
| Aart Time Right Aovement | 1 | u Len 1 | нig 1 | nt inr 1 | u Len 1 | Righ 1 | 1 | ru Len 1 | Right 1 | 1 | u Len | 1 | | |
| 7:00 AM | 0 | 62 | 20 | 63 | 66 | 13 | 5 | 56 | 0 | 4 | 26 | 0 | | |
| 7:15 AM | 1 | 60 | 23 | 82 | 62 | 9 | 1 | 78 | 0 | 4 | 20 | 0 | | |
| 7:30 AM | 0 | 86 | 22 | 109 | 88 | 16 | 3 | 101 | 1 | 4 | 28 | 0 | | |
| 7:45 AM | 0 | 93 | 27 | 107 | 86 | 5 | 3 | 132 | 0 | 2 | 36 | 0 | 1606 | 7:00 AN |
| 8:00 AM | ő | 71 | 32 | 76 | 75 | 8 | 7 | 89 | ő | 3 | 28 | o | 1680 | 7:15 AN |
| 8:15 AM | 0 | 66 | 28 | 64 | 75 | 16 | 7 | 95 | 0 | 5 | 28 | 0 | 1722 | 7:30 AN |
| | 0 | 316 | 109 | 356 | 324 | 45 | 20 | 417 | 1 | 14 | 120 | 0 | | |
| 8:30 AM | 0 | 86 | 28 | 58 | 57 | 5 | 5 | 93 | 2 | 6 | 35 | 0 | 1639 | 7:45 AN |
| 8:45 AM | 2 | 68 | 36 | 67 | 44 | 8 | 4 | 94 | 0 | 9 | 37 | 0 | 1517 | 8:00 AN |
| 9:00 AM | 1 | 76 | 27 | 68 | 48 | 8 | 6 | 76 | 1 | 5 | 30 | 0 | 1474 | 8:15 AN |
| 9:15 AM | з | 65 | 32 | 47 | 40 | 11 | 5 | 84 | 0 | 2 | 39 | 0 | 1418 | 8:30 AN |
| 9:30 AM | 1 | 72 | 30 | 53 | 33 | 12 | 8 | 96 | 0 | 7 | 20 | 0 | 1375 | 8:45 AN |
| 9:45 AM | 1 | 91 | 35 | 58 | 46 | 8 | 9 | 86 | 0 | 7 | 37 | 0 | 1384 | 9:00 AN |
| 10:00 AM | 4 | 90 | 32 | 50 | 33 | 8 | 6 | 88 | 0 | 3 | 39 | 0 | 1391 | 9:15 AM |
| 10:15 AM | 3 | 74 | 31 | 56 | 39 | 6 | 5 | 111 | 0 | 5 | 35 | 0 | 1428 | 9:30 AN |
| 10:30 AM | 0 | 75 | 29 | 58 | 54 | 12 | 8 | 89 | 0 | 5 | 21 | 1 | 1448 | 9:45 AN |
| 10:45 AM | 1 | 107 | 42 | 56 | 42 | 11 | 9 | 108 | 0 | 3 | 42 | 0 | 1491 | 10:00 AM |
| 11:00 AM | 3 | 93 | 40 | 37 | 35 | 5 | 5 | 99 | 0 | 7 | 28 | 0 | 1490 | 10:15 AN |
| 11:15 AM | 3 | 104 | 54 | 37 | 37 | 4 | 12 | 72 | 0 | 0 | 39 | 0 | 1487 | 10:30 AN |
| 11:30 AM | 3 | 109 | 51 | 62 | 38 | 14 | 11 | 95 | 0 | 5 | 48 | 1 | 1572 | 10:45 AN |
| 11:45 AM | 4 | 109 | 53 | 61 | 43 | 10 | 8 | 93 | 0 | 4 | 45 | 0 | 1581 | 11:00 AM |
| 12:00 PM | 10 | 97 | 50 | 54 | 44 | 11 | 15 | 106 | 0 | 14 | 34 | 0 | 1664 | 11:15 AM |
| 12:15 PM | 1 | 75 | 63 | 45 | 54 | 12 | 11 | 84 | 0 | 7 | 47 | 0 | 1701 | 11:30 AM |
| 12:30 PM | з | 88 | 51 | 59 | 30 | 10 | 15 | 87 | 0 | 3 | 39 | 0 | 1649 | 11:45 AN |
| 12:45 PM | 0 | 82 | 45 | 58 | 52 | 14 | 11 | 98 | 1 | 6 | 45 | 0 | 1631 | 12:00 PN |
| 1:00 PM | 2 | 110 | 37 | 47 | 45 | 2 | 14 | 92 | 0 | 3 | 36 | 1 | | 12:15 PN |
| 1:15 PM | 5 | 95 | 64 | 60 | 40 | 16 | 8 | 93 | 0 | 3 | 48 | 0 | 1618 | 12:30 PN |
| 1:30 PM | 4 | 111 | 47 | 50 | 35 | 16 | 5 | 112 | 0 | 2 | 37 | 0 | 1652 | 12:45 PN |
| 1:45 PM | 4 | 103 | 60 | 53 | 55 | 14 | 16 | 98 | 0 | 3 | 35 | 0 | 1681 | 1:00 PN |
| 2:00 PM | 9 | 107 | 65 | 43 | 47 | 9 | 6 | 90 | 0 | 4 | 50 | 1 | 1723 | 1:15 PN |
| 2:15 PM | 2 | 110 | 48 | 44 | 46 | 12 | 8 | 103 | 0 | 6 | 51 | 0 | 1721 | 1:30 PN |
| 2:30 PM | 3 | 111 | 76 | 63 | 53 | 15 | 6 | 90 | 0 | 9 | 60 | 0 | 1788 | 1:45 PN |
| 2:45 PM | 2 | 107 | 69 | 46 | 56 | 8 | 8 | 85 | 0 | 12 | 43 | 1 | 1784 | 2:00 PN |
| 3:00 PM | 1 | 107 | 89 | 38 | 49 | 5 | 15 | 91 | 0 | 6 | 64 | 1 | 1819 | 2:15 PN |
| 3:15 PM | 1 | 101 | 56 | 52 | 53 | 12 | 5 | 103 | 0 | 6 | 53 | 0 | 1831 | 2:30 PN |
| 3:30 PM | 5 | 117 | 73 | 50 | 51 | 10 | 15 | 123 | 0 | 9 | 71 | 0 | 1869 | 2:45 PN |
| 3:45 PM | 2 | 104 | 73 | 47 | 40 | 8 | 13 | 113 | 0 | 11 | 56 | 0 | 1899 | 3:00 PN |
| 4:00 PM | 2 | 116 | 52 | 48 | 47 | 8 | 6 | 101 | 0 | 5 | 55 | 0 | 1873 | 3:15 PN |
| 4:15 PM | 4 | 116 | 68 | 58 | 51 | 11 | 11 | 81 | 0 | 12 | 66 | 1 | 1910 | 3:30 PM |
| 4:30 PM | 5 | 119 | 65 | 70 | 60 | 7 | 9 | 98 | 0 | 4 | 67 | 2 | 1892 | 3:45 PN |
| 4:45 PM | 2 | 106 | 83 | 59 | 43 | 14 | 5 | 89 | 0 | 6 | 83 | 0 | 1915 | 4:00 PN |
| 5:00 PM | 5 5 | 105 | 74 | 47 | 64 | 13 | 18 17 | 122 | 0 | 12 12 | 79 | 0 | 2014 | 4:15 PN |
| 5:15 PM | | 105 | 106 | 54 | 38 | 17 | | 114 | | | 104 | | 2107 | 4:30 PN |
| 5-00 PM | 17 | 435 | 328 | 230 | 205 | 51 | 49 | 423 | 0 | 34 | 333 | 2 | 44.5- | |
| 5:30 PM 5:45 PM | 4 | 78 96 | 67 60 | 52 52 | 59 41 | 12 10 | 21 12 | 98 97 | 0 | 8 | 84 63 | 1 | 4192 4144 | 4:45 PM |
| | | | | | 41 39 | | | | | | | | 4144 3969 | 5:00 PN |
| 6:00 PM | 2 | 87 | 51 | 40 | | 13 | 13 | 58 | 0 | 8 | 53 | 0 | | 5:15 PN |
| 6:15 PM | 4 | 84 | 51 | 53 | 31 | 7 | 7 | 67 | 0 | 8 | 47 | 1 | 1650 | 5:30 PN |
| 6:30 PM | 0 | 64 | 38 | 45 | 36 | 14 | 9 | 65 | 0 | 4 | 41 | 0 | 1482 | 5:45 PN |

| PHF Southbound 0.89 | Westbound 0.85 | | , | Northbound 0.81 | Eastbound 0.88 |
|---------------------------|-------------------|------|-------|--------------------|-------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | K Factor | |
| | | 2107 | 21589 | 0.10 | |
| PHF | | | | | |
| Southbound 0.9 | Westbound 0.89 | | ľ | Northbound 0.84 | Eastbound 0.79 |

| ***NewClass | |
|--------------------|--|
| Articulated Trucks | |

***NewClass

| Start Time Right | Thru | Left | Right | Thru | Left | Right | Thru | Left | Right | Thru | Left | |
|------------------|------|------|-------|------|------|-------|------|------|-------|--------|------|---|
| Movement | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | ō |
| 7:15 AM | õ | õ | 0 | õ | 1 | 0 | õ | õ | 0 | 0 | 0 | õ |
| 7:30 AM | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | õ | 0 | õ | 1 | õ | õ | 0 | 0 | 0 0 | 1 | ō |
| 8:00 AM | 0 | õ | ō | õ | 2 | õ | õ | 0 | 0 | 0 0 | 1 | ō |
| 8:15 AM | õ | õ | ō | ő | 1 | õ | õ | õ | 0 | 0 | 1 | ō |
| 8:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 9:00 AM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 9:15 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 9:45 AM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 10:15 AM | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:30 AM | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:45 AM | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 11:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 11:15 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 11:30 AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 11:45 AM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:00 PM | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 2:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 2:15 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:30 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 2:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 PM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:15 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 3:30 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 3:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:00 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:45 PM | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:00 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 6:15 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | |

| %Trucks Southbound 0.00 | Westbound 0.01 | Northbound 0.00 | Eastbound 0.02 |
|-------------------------------|-------------------|--------------------|-------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| %Trucks | | | |
| Southbound 0.00 | Westbound 0.02 | Northbound 0.00 | Eastbound 0.00 |

 StartTime Right
 Thru
 Left
 Thru
 Left<

| Start Time Right | Thru | Left | |
|------------------|------|------|-------|------|------|-------|------|------|-------|------|------|---|
| Movement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:00 AM | | | | | | | | | | | | |
| 7:15 AM | | | | | | | | | | | | |
| 7:30 AM | | | | | | | | | | | | |
| 7:45 AM | | | | | | | | | | | | |
| 8:00 AM | | | | | | | | | | | | |
| 8:15 AM | | | | | | | | | | | | |
| 8:30 AM | | | | | | | | | | | | |
| 8:45 AM | | | | | | | | | | | | |
| 9:00 AM | | | | | | | | | | | | |
| 9:15 AM | | | | | | | | | | | | |
| 9:30 AM | | | | | | | | | | | | |
| 9:45 AM | | | | | | | | | | | | |
| 10:00 AM | | | | | | | | | | | | |
| 10:15 AM | | | | | | | | | | | | |
| 10:30 AM | | | | | | | | | | | | |
| 10:45 AM | | | | | | | | | | | | |
| 11:00 AM | | | | | | | | | | | | |
| 11:15 AM | | | | | | | | | | | | |
| 11:30 AM | | | | | | | | | | | | |
| 11:45 AM | | | | | | | | | | | | |
| 12:00 PM | | | | | | | | | | | | |
| 12:15 PM | | | | | | | | | | | | |
| 12:30 PM | | | | | | | | | | | | |
| 12:45 PM | | | | | | | | | | | | |
| 1:00 PM | | | | | | | | | | | | |
| 1:15 PM | | | | | | | | | | | | |
| 1:30 PM | | | | | | | | | | | | |
| 1:45 PM | | | | | | | | | | | | |
| 2:00 PM | | | | | | | | | | | | |
| 2:15 PM | | | | | | | | | | | | |
| 2:30 PM | | | | | | | | | | | | |
| 2:45 PM | | | | | | | | | | | | |
| 3:00 PM | | | | | | | | | | | | |
| 3:15 PM | | | | | | | | | | | | |
| 3:30 PM | | | | | | | | | | | | |
| 3:45 PM | | | | | | | | | | | | |
| 4:00 PM | | | | | | | | | | | | |
| 4:15 PM | | | | | | | | | | | | |
| 4:30 PM | | | | | | | | | | | | |
| 4:45 PM | | | | | | | | | | | | |
| 5:00 PM | | | | | | | | | | | | |
| 5:15 PM | | | | | | | | | | | | |
| 5:30 PM | | | | | | | | | | | | |
| 5:45 PM | | | | | | | | | | | | |
| 6:00 PM | | | | | | | | | | | | |
| 6:15 PM | | | | | | | | | | | | |
| 6:30 PM | | | | | | | | | | | | |
| 0.00111 | | | | | | | | | | | | |

***NewClass Bicycles on Crosswalk

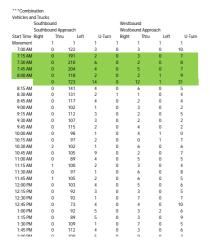
***NewClass Pedestrians

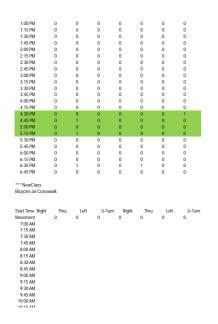
| Start Time Right | Thru | Left | |
|------------------|------|------|-------|------|------|-------|------|------|-------|------|------|---|
| Movement | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:15 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:45 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:00 PM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***NewClass | | | | | | | | | | | | |

Bicycles on Road

900.4% 9:15.4% 9:45.4% 9:45.4% 10:15.4% 10:15.4% 10:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4% 11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4% 11:15.4%11:15.4%11:15.4% 11:15.4%11:15.4%11:15.4% 11:15.4%11:15.4%11:15.4%11:15.4%11:15.4%11:15.4%11:15.4%11:15.4%11:15.4%11:15.4% 2_Main_Street_at_State_Street_1178333_04-25-2024.xlsx

Study Name Start Date Start Time Site Code





Main_Street_at_Center_Street_1182691_05-01-2024.xlsx

2:30 PM

Study Name Start Date Start Time Site Code

***Combination Vehicles and Trucks Southbound Northboun(Eastbound Westbound Southbound St. Westbound St. Northbound Eastbound St. Start Time Right Thru Left Right Thru Left U-Turn Right Right Thru Movement 7:00 AM 7:15 AM 7:30 AM 7:45 AM 7:00 AM 8:00 AM 7:15 AM 8:15 AM 7:30 AM 7:45 AM 8:30 AM 8:45 AM 8:00 AM 9:00 AM 8:15 AM 9:15 AM 8:30 AM 9:30 AM 8:45 AM 9:45 AM 9:00 AM 10:00 AM 9:15 AM 10:15 AM 9:30 AM 10:30 AM 9:45 AM 10:45 AM 10:00 AM 11:00 AM 10:15 AM 11:15 AM 10:30 AM 11:30 AM 10:45 AM 11:45 AM 11:00 AM 12:00 PM 11:15 AM 12:15 PM 11:30 AM 12:30 PM 11:45 AM 438 12:00 PM 12:45 PM 1:00 PM 12:15 PM 1:15 PM 417 12:30 PM 1:30 PM 12:45 PM 1:45 PM 1:00 PM 2:00 PM 1:15 PM 2:15 PM 1:30 PM 2:30 PM 1:45 PM 2:45 PM 2:00 PM 3:00 PM 2:15 PM

| PHF | | | |
|------------|-----------|------------|-----------|
| Southbound | Westbound | Northbound | Eastbound |
| 0.81 | 0.91 | 0.25 | 0.96 |

| 3:30 PM | 25 | 1 | 0 | 0 | 48 | 0 | 0 | 1 | 3 | 84 | 575 | 2:45 PM |
|---------|----|---|---|---|-----|---|---|---|----|-----|------|---------|
| 3:45 PM | 18 | 0 | 1 | 0 | 56 | 0 | 0 | 2 | 3 | 89 | 600 | 3:00 PM |
| 4:00 PM | 13 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 1 | 73 | 601 | 3:15 PM |
| 4:15 PM | 7 | 0 | 0 | 0 | 50 | 0 | 0 | 2 | 2 | 74 | 592 | 3:30 PM |
| 4:30 PM | 8 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 5 | 80 | 572 | 3:45 PM |
| 4:45 PM | 7 | 0 | 1 | 0 | 59 | 0 | 0 | 3 | 5 | 81 | 559 | 4:00 PM |
| 5:00 PM | 6 | 0 | 0 | 0 | 54 | 0 | 0 | 2 | 6 | 81 | 582 | 4:15 PM |
| 5:15 PM | 12 | 0 | 1 | 0 | 53 | 0 | 0 | 1 | 6 | 110 | 630 | 4:30 PM |
| | 33 | 0 | 2 | 0 | 215 | 0 | 0 | 6 | 22 | 352 | | |
| 5:30 PM | 7 | 0 | 0 | 0 | 52 | 0 | 0 | 2 | 7 | 71 | 1257 | 4:45 PM |
| 5:45 PM | 8 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 2 | 69 | 1219 | 5:00 PM |
| 6:00 PM | 13 | 0 | 0 | 0 | 49 | 0 | 0 | 2 | 2 | 53 | 1189 | 5:15 PM |
| 6:15 PM | 3 | 0 | 0 | 0 | 33 | 0 | 0 | 1 | 3 | 60 | 476 | 5:30 PM |
| 6:30 PM | 4 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 5 | 51 | 429 | 5:45 PM |
| 6:45 PM | 2 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 4 | 42 | 389 | 6:00 PM |
| | | | | | | | | | | | | |

| PHF | | | |
|------------|-----------|------------|-----------|
| Southbound | Westbound | Northbound | Eastbound |
| 0.67 | 0.91 | 0.50 | 0.81 |

***NewClass

3:15 PM

Articulated Trucks

| Start Time | Right | Thru | Left | Right | Thru | Left | U-Turn | Right | Right | Thru | |
|------------|-------|------|------|-------|------|------|--------|-------|-------|------|---|
| Movement | | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | | 0 | 0 | 0 | | 4 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 1 |
| 7:45 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 8:30 AM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 1 |
| 9:00 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 1 |
| 9:15 AM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | | 0 | 0 | 0 | | 3 | 0 | 0 | 0 | 0 | 2 |
| 9:45 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 1 |
| 10:00 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 2 |
| 10:15 AM | | 1 | 0 | 0 | | 1 | 0 | 0 | 0 | 1 | 0 |
| 10:30 AM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 1 |
| 10:45 AM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 11:00 AM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:15 AM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 11:30 AM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 11:45 AM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 1 |
| 12:00 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 12:45 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 1:00 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 1:15 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 1:45 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 2:00 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 2:15 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 1 |
| 2:30 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:45 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:15 PM | | 0 | 0 | 0 | | 3 | 0 | 0 | 0 | 0 | 0 |
| 3:30 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 3:45 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 4:00 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 4:30 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 4:45 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 2 |
| 5:15 PM | | 0 | 0 | 0 | | 5 | 0 | 0 | 0 | 0 | 1 |
| 5:30 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | 1 |
| 6:00 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:15 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:30 PM | | 0 | 0 | 0 | | 2 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |

***NewClass Bicycles on Road

\\us0261-ppfss01\shared_projects\179450812\transportation\traffic\Traffic Data (BACTS)\Main_Street_at_Center_Street_1182691_05-01-2024.xlsx

0

| itart Time Right Iovement | Thru | Left | Right | Thru | Left | U-Turn | Right | Right | Thru | |
|------------------------------|--------|------|-------|------|------|--------|--------|-------|------|---|
| | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | |
| 7:00 AM 7:15 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | (|
| 7:30 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | (|
| | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | (|
| 7:45 AM 8:00 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | (|
| 8:15 AM 8:30 AM | 0 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | (|
| 8:45 AM | 2 | 0 | 0 | | 0 | 0 | 0 0 | 0 | 1 | |
| 9:00 AM | | | | | | | | | | |
| 9:00 AM 9:15 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 9:15 AM 9:30 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 9:45 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 10:00 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 10:15 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 10:30 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 10:45 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 11:00 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 1 | |
| 11:15 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 11:30 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 11:45 AM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 12:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 12:15 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 12:30 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 12:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 0 | |
| 1:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 1:15 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 1:30 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 1:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 2:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 2:15 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 2:30 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 2:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 3:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 3:15 PM | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | |
| 3:30 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 3:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 4:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 4:15 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 4:30 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 4:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 5:00 PM | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | |
| 5:15 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 5:30 PM | 0 | 0 | 0 | | 1 | 0 | 0 | 0 | 0 | |
| 5:45 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 6:00 PM | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | |

| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------|---|---|---|---|---|---|---|---|---|
| 6:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

***NewClass

Bicycles on Crosswalk

| Start Time | Right | Thru | Left | Right | Thru | Left | U-Turn | Right | Right | Thru |
|------------|-------|------|------|-------|------|-------|--------|-------|-------|------|
| Movement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 7:00 AM | | · | • | • | • | U III | C C | • | • | • |
| 7:15 AM | | | | | | | | | | |
| 7:30 AM | | | | | | | | | | |
| 7:45 AM | | | | | | | | | | |
| 8:00 AM | | | | | | | | | | |
| 8:15 AM | | | | | | | | | | |
| 8:30 AM | | | | | | | | | | |
| 8:45 AM | | | | | | | | | | |
| 9:00 AM | | | | | | | | | | |
| 9:15 AM | | | | | | | | | | |
| 9:30 AM | | | | | | | | | | |
| 9:45 AM | | | | | | | | | | |
| 10:00 AM | | | | | | | | | | |
| 10:15 AM | | | | | | | | | | |
| 10:30 AM | | | | | | | | | | |
| 10:45 AM | | | | | | | | | | |
| 11:00 AM | | | | | | | | | | |
| 11:15 AM | | | | | | | | | | |
| 11:30 AM | | | | | | | | | | |
| 11:45 AM | | | | | | | | | | |
| 12:00 PM | | | | | | | | | | |
| 12:15 PM | | | | | | | | | | |
| 12:30 PM | | | | | | | | | | |
| 12:45 PM | | | | | | | | | | |
| 1:00 PM | | | | | | | | | | |
| 1:15 PM | | | | | | | | | | |
| 1:30 PM | | | | | | | | | | |
| 1:45 PM | | | | | | | | | | |
| 2:00 PM | | | | | | | | | | |
| 2:15 PM | | | | | | | | | | |
| 2:30 PM | | | | | | | | | | |
| 2:45 PM | | | | | | | | | | |
| 3:00 PM | | | | | | | | | | |
| 3:15 PM | | | | | | | | | | |
| 3:30 PM | | | | | | | | | | |
| 3:45 PM | | | | | | | | | | |
| 4:00 PM | | | | | | | | | | |
| 4:15 PM | | | | | | | | | | |
| 4:30 PM | | | | | | | | | | |
| 4:45 PM | | | | | | | | | | |
| 5:00 PM | | | | | | | | | | |
| 5:15 PM | | | | | | | | | | |
| 5:30 PM | | | | | | | | | | |
| 5:45 PM | | | | | | | | | | |
| 6:00 PM | | | | | | | | | | |
| 6:15 PM | | | | | | | | | | |
| 6:30 PM | | | | | | | | | | |
| 6:45 PM | | | | | | | | | | |
| | | | | | | | | | | |

***NewClass

Pedestrians

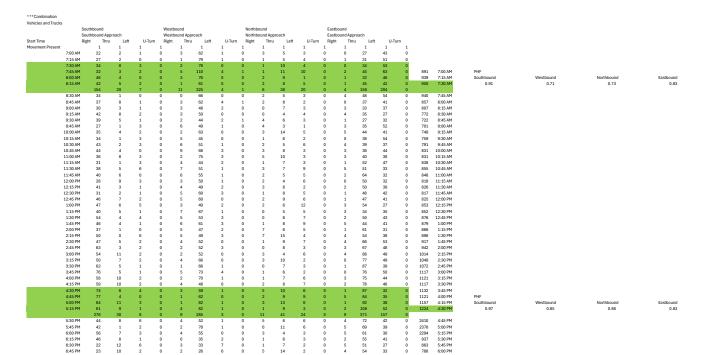
| Start Time Right | Thru | Left | Right | Thru | Left | U-Turn | Right | Right | Thru | |
|------------------|------|------|-------|------|------|--------|-------|-------|------|---|
| Movement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:00 AM | | | | | | | | | | |
| 7:15 AM | | | | | | | | | | |
| 7:30 AM | | | | | | | | | | |
| 7:45 AM | | | | | | | | | | |
| 8:00 AM | | | | | | | | | | |
| 8:15 AM | | | | | | | | | | |
| 8:30 AM | | | | | | | | | | |
| 8:45 AM | | | | | | | | | | |
| 9:00 AM | | | | | | | | | | |

\\us0261-ppfss01\shared_projects\179450812\transportation\traffic\Traffic Data (BACTS)\Main_Street_at_Center_Street_1182691_05-01-2024.xlsx

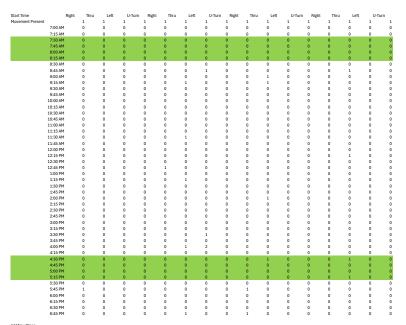
| 9:15 AM | |
|----------|--|
| 9:30 AM | |
| 9:45 AM | |
| 10:00 AM | |
| 10:15 AM | |
| 10:30 AM | |
| 10:45 AM | |
| 11:00 AM | |
| 11:15 AM | |
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| 11:45 AM | |
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| 6:45 PM | |
| | |

\\us0261-ppfss01\shared_projects\179450812\transportation\traffic\Traffic Data (BACTS)\Main_Street_at_Center_Street_1182691_05-01-2024.xlsx

Study Name Start Date Start Time Site Code



***NewClass Bicycles on Road



Left U-Turn Right Thru Left 0 0 0 0 0

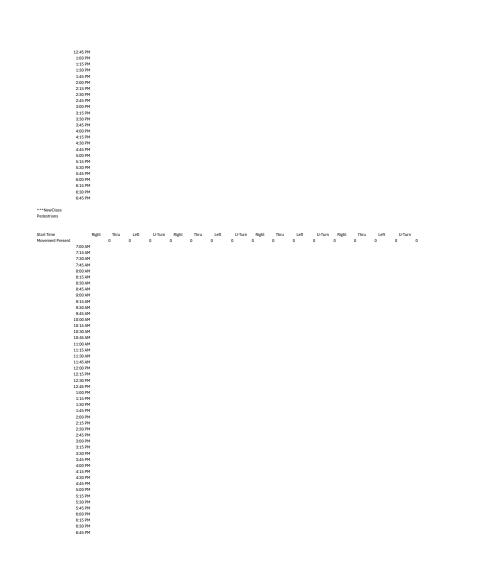
U-Turn Right Thru Left U-Turn 0 0 0 0 0 0

***NewClass Bicycles on Cro

Start Time Movement Present 7:00 AM 7:15 AM 7:30 AM 7:45 AM 8:00 AM 8:15 AM 8:30 AM 8:45 AM 9:30 AM 9:45 AM 10:15 AM 10:15 AM 10:15 AM 10:15 AM 11:10 AM 11:15 AM 11:16 AM 11:16 AM 12:10 PM Thru 0

Right

Left U-Tum Right Thru 0 0 0 0



Study Nam Main Street at Wilson Street Start Date 4/23/2024 Start Time 7:00 AM Site Code

| | bound | | | Westbo | | | | Northbo | | | | Eastbo | | | | | | | | | | |
|----------------|-------------|----------|------------|------------|-----------|----------|-------------|---------|-----------|----------|-------------|--------|------------|----------|----------|---|--------------|----------------------|-------------------|-----------|------------|------|
| | bound Appro | | | | und Appro | | | | und Appro | | | | ound Appro | | | | | | | | | |
| Time Right | Thru | Left | U-Tum 1 | Right 1 | Thru 1 | Left | U-Turn 1 | Right | Thru 1 | Left | U-Turn 1 | Right | Thru | Left | U-Tun | 1 | | | | | | |
| ement 00 AM | 1 24 | 1 65 | - | 1 | 1 | 1 34 | - | 1 | 1 | 1 56 | - | 1 | 1 27 | 1 36 | 1 12 | 1 | | | | | | |
| 15 AM | 24 | 73 | | 0 | 2 | 43 | | | 14 | 69 | | 0 | 17 | 49 | 12 | 0 | | | | | | |
| 30 AM | 33 | 82 | 10 | 0 | 6 | 59 | 9 | | 24 | 87 | | 0 | 33 | 51 | 10 | 0 | | | | | | |
| 45 AM | 38 | 78 | 13 | 0 | 5 | 69 | 8 | 0 | 18 | 92 | 48 | 0 | 36 | 63 | 22 | 0 | 1601 | 7:00 AM | PHF | | | |
| DO AM | 41 | 66 | | 0 | 5 | 38 | | | 21 | 61 | | 0 | 29 | 79 | 11 | 0 | 1711 | 7:15 AM | Southbound | Westbound | Northbound | East |
| 15 AM | 41 | 56 | | 0 | 7 | 44 | | | 19 | 87 | | 0 | 25 | 47 | 15 | 0 | 1758 | 7:30 AM | 0.93 | 0.84 | 0.92 | |
| 00.414 | | 282 | | 0 | | | | | | | | | 123 | 240 | 58 | 0 | 0404 | 7.45.444 | | | | |
| 30 AM 45 AM | 25 36 | 51 54 | - | 0 | 3 | 41 36 | | | 11 27 | 66 50 | | 0 | 23 23 | 67 45 | 11 26 | 0 | 3421 3288 | 7:45 AM 8:00 AM | | | | |
| 40 AM | 10 | 36 | | 0 | 4 | | | | 19 | 41 | | 0 | 23 | 65 | 13 | 0 | 3183 | 8:15 AM | | | | |
| 15 AM | 22 | 40 | | 0 | 5 | | | 0 | 9 | 60 | | 0 | 23 | 55 | 16 | 0 | 1349 | 8:30 AM | | | | |
| BO AM | 21 | 32 | 8 | 0 | 11 | 56 | | 0 | 13 | 54 | | 0 | 31 | 43 | 13 | 0 | 1310 | 8:45 AM | | | | |
| 5 AM | 23 | 66 | | 0 | 7 | 68 | | 0 | 9 | 64 | | 0 | 35 | 55 | 18 | 0 | 1355 | 9:00 AM | | | | |
| D AM | 30 | 43 | | 0 | 2 | 57 | | 0 | 8 | 46 | | 0 | 32 | 54 | 20 | 0 | 1379 | 9:15 AM | | | | |
| L5 AM | 21 | 41 | | 0 | 9 | | | | 10 | 60 | | 0 | 25 | 59 | 26 | 0 | 1410 | 9:30 AM | | | | |
| 30 AM 15 AM | 21 25 | 37 51 | | 0 | 6 11 | 53 47 | | | 14 16 | 45 53 | | 0 | 27 34 | 61 68 | 26 27 | 0 | 1442 | 9:45 AM 10:00 AM | | | | |
| 45 AM | 15 | 59 | | 0 | 9 | 52 | | | 12 | 54 | | 0 | 23 | 63 | 26 | 0 | | 10:15 AM | | | | |
| 15 AM | 15 | 48 | | 0 | 7 | 53 | | | 21 | 57 | | 0 | 38 | 68 | 28 | ő | | 10:30 AM | | | | |
| BO AM | 16 | 58 | 10 | 0 | 11 | 51 | | | 14 | 59 | 23 | 0 | 36 | 46 | 18 | 0 | | 10:45 AM | | | | |
| IS AM | 12 | 58 | 11 | 0 | 5 | 47 | 15 | 0 | 17 | 65 | | 0 | 40 | 64 | 28 | 0 | 1521 | 11:00 AM | | | | |
| IO PM | 18 | 58 | | 0 | 6 | 69 | | | 11 | 64 | | 0 | 40 | 66 | 23 | 0 | | 11:15 AM | | | | |
| L5 PM | 17 | 63 | | | 12 | 53 | | | 17 | 46 | | 0 | 35 | 55 | 29 | 0 | | 11:30 AM | | | | |
| 30 PM 45 PM | 15 23 | 52 59 | - | 0 | 8 7 | 54 53 | | | 17 23 | 65 58 | | 0 | 38 42 | 72 58 | 23 35 | 0 | | 11:45 AM 12:00 PM | | | | |
| 45 PM 00 PM | 32 | 53 | | 0 | 3 | 60 | | | 23 19 | 53 | | 0 | 42 | 70 | 20 | 0 | | 12:00 PM | | | | |
| L5 PM | 30 | 63 | | 0 | 7 | 40 | | | 20 | 55 | | 0 | 43 | 68 | 25 | ō | | 12:30 PM | | | | |
| 0 PM | 21 | 47 | | 0 | 15 | 62 | | | 14 | 52 | | 0 | 33 | 59 | 14 | 0 | | 12:45 PM | | | | |
| 5 PM | 31 | 54 | 8 | 0 | 8 | 56 | 12 | 0 | 16 | 46 | 39 | 0 | 52 | 64 | 25 | 0 | 1625 | 1:00 PM | | | | |
| 0 PM | 21 | 61 | 1/ | 0 | 3 | 65 | | | 21 | 59 | | 0 | 36 | 83 | 24 | 0 | 1649 | 1:15 PM | | | | |
| 5 PM | 29 | 50 | | | 14 | 70 | | | 13 | 55 | | 0 | 49 | 78 | 37 | 0 | 1685 | 1:30 PM | | | | |
| 0 PM 5 PM | 22 27 | 65 76 | | 0 | 8 | 60 51 | | | 15 21 | 66 85 | | 0 | 51 45 | 66 53 | 24 26 | 0 | 1762 1796 | 1:45 PM 2:00 PM | | | | |
| 0 PM | 20 | 63 | | | 10 | | | | 12 | 75 | | 0 | 45 | 66 | 20 | 0 | 1/90 | 2:00 PM 2:15 PM | | | | |
| 5 PM | 23 | 76 | | 0 | 8 | 51 | | | 24 | 62 | | 0 | 55 | 72 | 36 | 0 | 1838 | 2:30 PM | | | | |
| 30 PM | 20 | 82 | 13 | 0 | 10 | 53 | | | 23 | 82 | | 0 | 64 | 44 | 39 | 0 | 1880 | 2:45 PM | | | | |
| 15 PM | 25 | 82 | 21 | 0 | 8 | 58 | 14 | 0 | 18 | 78 | 20 | 0 | 53 | 69 | 27 | 0 | 1908 | 3:00 PM | | | | |
| 00 PM | 27 | 72 | 17 | 0 | 3 | 56 | | | 16 | 88 | | 0 | 56 | 74 | 58 | 0 | 1974 | 3:15 PM | | | | |
| 15 PM | 36 | 81 | <u> </u> | 0 | 4 | | | | 25 | 78 | 40 | 0 | 64 | 81 | 42 | 0 | 2036 | 3:30 PM | | | | |
| 30 PM | 33 | 96 | 8 | | 10 | 68 | | | 15 | 91 | | 0 | 62 | 44 | 44 | 0 | 2068 | 3:45 PM | | | | |
| 45 PM 00 PM | 29 31 | 95 80 | 10 | 0 | 9 | 58 99 | | | 18 20 | 64 85 | 00 | 0 | 77 84 | 92 74 | 49 36 | 0 | 2163 | 4:00 PM 4:15 PM | PHF Southbound | Westbound | Northbound | East |
| 15 PM | 29 | 96 | | 0 | 5 | 58 | | | 14 | 74 | | 0 | 74 | 70 | 49 | 0 | | 4:30 PM | 0.98 | 0.80 | 0.94 | Las |
| | | 367 | | | | 283 | | | | | | | 297 | 280 | 178 | o | 2200 | 4.00111 | 0.50 | 0.00 | 0.54 | |
| 0 PM | 26 | 82 | | 0 | 4 | 44 | | | 25 | 68 | | 0 | 48 | 59 | 34 | 0 | 4404 | 4:45 PM | | | | |
| 5 PM | 25 | 70 | | 0 | 7 | 49 | | | 19 | 66 | | 0 | 45 | 55 | 26 | 0 | 4268 | 5:00 PM | | | | |
| PM | 15 | 50 | | 0 | 5 | | | | 13 | 65 | | 0 | 39 | 39 | 19 | 0 | 4048 | 5:15 PM | | | | |
| 5 PM | 17 | 46 | | 0 | 2 | 50 | | | 13 | 69 | | 0 | 31 | 37 | 20 | 0 | 1589 | 5:30 PM | | | | |
| D PM | 11 | 64 | | 0 | 6 8 | 31 | | | 18 | 50 | 00 | 0 | 34 | 32 | 23 | 0 | 1466 | 5:45 PM | | | | |
| 5 PM | 9 | 38 | 8 | U | 8 | 37 | 11 | U | 15 | 38 | 16 | U | 28 | 46 | 20 | 0 | 1308 | 6:00 PM | | | | |

| Start Time Right | Thru | Left | U-Tum | Right | Thru | Left | U-Turn | Right | Thru | Left | U-Turn | Right | Thru | Left | U-Turn | |
|------------------|------|------|-------|-------|------|------|--------|-------|------|------|--------|-------|------|------|--------|---|
| Movement - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 7:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8:15 AM | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8:30 AM | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 9:00 AM | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:15 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:15 AM | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:30 AM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | ō |
| 10:45 AM | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 11:00 AM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:15 AM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 11:45 AM | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ō |
| 12:00 PM | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 12:45 PM | 0 | 1 | 0 | õ | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:00 PM | 1 | 1 | õ | õ | õ | 0 | 0 | 0 | õ | ò | õ | õ | õ | 0 | ő | ō |
| 1:15 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:45 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:00 PM | õ | 0 | 0 | õ | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 |
| 2:15 PM | õ | 0 | õ | õ | õ | 1 | 0 | 0 | õ | 0 | õ | õ | õ | 0 | ő | ō |
| 2:30 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:45 PM | õ | 1 | 0 | õ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | õ | õ | 0 | 0 | 0 |
| 3:00 PM | õ | 2 | 0 | õ | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 3:15 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 3:30 PM | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:45 PM | õ | 0 | 0 | õ | õ | 0 | 0 | 0 | 0 | õ | 0 | õ | õ | 0 | 0 | 0 |
| 4:00 PM | õ | 0 | 0 | õ | õ | 0 | 0 | 0 | 0 | õ | 0 | õ | õ | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:45 PM | ő | 3 | õ | õ | õ | 1 | õ | õ | õ | 1 | ő | õ | 1 | õ | ő | ō |
| 5:00 PM | õ | 0 | õ | õ | õ | ō | 0 | õ | õ | 0 | 0 | ő | 0 | õ | õ | 0 |
| 5:15 PM | õ | 4 | õ | õ | õ | õ | 0 | õ | õ | õ | ō | õ | õ | õ | õ | 0 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 5:45 PM | õ | 1 | 1 | õ | õ | 0 | 0 | 0 | 0 | õ | 0 | õ | õ | 0 | 0 | 0 |
| 6:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:15 PM | õ | 1 | 0 | õ | õ | 0 | 1 | 0 | 0 | õ | 0 | õ | õ | 0 | 0 | ō |
| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

***NewClass Bicycles on Road

| Start Time Right | Thru | Left | U-Tum | Right | Thru | Left | U-Turn | Right | Thru | Left | U-Turn | Right | Thru | Left | U-Tur | m |
|------------------|------|------|-------|-------|------|------|--------|-------|------|------|--------|-------|------|------|-------|---|
| Movement | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 9:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



%Trucks Southbound Westbound 0.01 0.00

 %Trucks
 Southbound
 Northbound
 Eastbound

 0.01
 0.01
 0.00
 0.01

Northbound 0.00 Eastbound 0.00

| 10.45 AM 11.100 AM 11.115 AM 11.115 AM 11.126 AM 12.215 PM 12.230 PM 12.245 PM 1.200 PM 1.245 PM 1.245 PM 2.200 PM 2.230 PM 2.245 PM 2.230 PM 2.245 PM 2.230 PM 2.245 PM 2.245 PM 2.245 PM 2.245 PM 2.245 PM 2.245 PM 2.245 PM 2.250 PM 2.350 PM 2.530 PM 2.545 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---|
| Receits on Class Start Time Right Novement 7:15 AM 7:15 AM 7:30 AM 8:15 AM 8:15 AM 8:15 AM 8:15 AM 8:15 AM 8:15 AM 9:13 AM 9:13 AM 9:13 AM 9:13 AM 9:13 AM 9:13 AM 9:13 AM 9:13 AM 10:15 AM 10:20 A | Thru 0 | Left 0 | U-Tum 0 | Right 0 | Thru | Left | U-Tum O | Right 0 | Thru: 0 | Left | U-Turn 0 | Right 0 | Ппи. 0 | Left | U-Turn O | 0 |
| Start Time Night Novement 7:00 AM 7:13 AM 7:43 AM 8:00 AM 8:13 AM 9:015 AM 9:015 AM 9:015 AM 9:015 AM 9:015 AM 9:015 AM 10:00 AM 10:03 AM | Thru o | Left 0 | U-Tum 0 | Right 0 | Thru 0 | Left 0 | U-Tum 0 | Right 0 | Thru 0 | Left | U-Turn 0 | Right 0 | Thru 0 | Left | U-Turn 0 | 0 |

\\us0261-ppfss01\shared_projects\179450812\transportation\traffic\Traffic Data (BACTS)\Main_Street_at_Wilson_Street_1177045_04-23-2024.xisx

Main_Street_at_Wilson_Street_1177045_04-23-2024.xlsx

Study Nam Wilson Street at Parker Street Start Date 5/23/2024 Start Time 7:00 AM Site Code

***Combination

| Vehicles an | d Trucks | | | | | | | | | | | | | | |
|--------------------|-----------|----------|-------------|--------|-------------------|--------|--------|-----------------|----------|--------|------------|----|------|------|------|
| | Southbou | | | | Southwestbound | | | Northbound | | | | | | | |
| | Wilson St | | | | Parker Street | | | Wilson Street | | | | | | | |
| Start Time | | | Left U-Turn | | lard Right Bear L | | | Bear Right Thru | U-Turi | | | | | | |
| Movement | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | |
| 7:00 AM | | 62 | 0 | 0 | 0 | 6 | 0 | 3 | 39 | 0 | | | | | |
| 7:15 AM | | 31 | 0 | 0 | 1 | 7 | 0 | 4 | 58 | 0 | | | | | |
| 7:30 AM | 10 | | 0 | 0 | 0 | 6 | 0 | 9 | 57 | 0 | | | | | |
| 7:45 AM | | | 1 | 0 | 2 | 7 | 0 | 5 | 79 | 0 | 644 | | | | |
| 8:00 AM | | 96 | 1 | 0 | 2 | 5 | 0 | 4 | 58 | 0 | 700 | SB | SWB | | |
| 8:15 AM | | 90 | 1 | 0 | 1 | 5 | 0 | 9 | 87 | 0 | 742 | | 0.86 | 0.78 | 0.8 |
| | 40 | | 3 | 0 | 5 | 23 | 0 | 27 | 281 | 0 | | | | | |
| 8:30 AM | | 36 | 0 | 0 | 0 | 9 | 0 | 8 | 56 | 0 | 1471 | | | | |
| 8:45 AM | | | 0 | 0 | 0 | 7 | 0 | 6 | 67 | 0 | 1456 | | | | |
| 9:00 AM | | 99 | 1 | 0 | 0 | 3 | 0 | 3 | 66 | 0 | 1462 | | | | |
| 9:15 AM | | 33 | 1 | 0 | 3 | 1 | 0 | 7 | 65 | 0 | 687 | | | | |
| 9:30 AM | 11 | | 0 | 0 | 0 | 1 | 0 | 6 | 57 | 0 | 708 | | | | |
| 9:45 AM | | 36 | 1 | 0 | 1 | 5 | 0 | 6 | 81 | 0 | 692 | | | | |
| 10:00 AM | | 86 | 0 | 0 | 0 | 2 | 0 | 7 | 90 | 0 | 705 | | | | |
| 10:15 AM | | 75 70 | 2 | 0 | 0 | 7 | 0 | 14 | 96 | 0 | 739 | | | | |
| 10:30 AM | | 78 | 0 | 0 | 0 | 5 | 0 | 16 | 83 | 0 | 741 | | | | |
| 10:45 AM | | 91 | 0 | 0 | 3 | 5 | 0 | 8 | 57 | 0 | 725 | | | | |
| 11:00 AM | | 91 | 0 | 1 | 2 | 9 | 0 | 7 | 85 | 0 | 735 | | | | |
| 11:15 AM | | 74 | 1 | 0 | 0 | 6 | 0 | 4 | 80 | 0 | 706 | | | | |
| 11:30 AM | | 94 | 2 | 0 | 1 | 3 | 0 | 5 | 69 | 0 | 698 | | | | |
| 11:45 AM | 10 | | 1 | 0 | 0 | 5 | 0 | 8 | 81 | 0 | 736 | | | | |
| 12:00 PM | | | 1 | 0 | 0 | 2 | 0 | 4 | 82 | 0 | 737 | | | | |
| 12:15 PM | | | 2 | 0 | 0 | 6 | 0 | 4 | 84 | 0 | 775 | | | | |
| 12:30 PM | | 95 | 0 | 0 0 | 0 | 5 5 | 0 | 8 | 77 | 0 | 786 | | | | |
| 12:45 PM | | 38 No | 0 | 0 | 2 | 5 3 | 0 0 | 10 4 | 82 92 | 0 | 771 783 | | | | |
| 1:00 PM | | | 1 | 0 | 0 | 3 | 0 | | 92 85 | 0 | | | | | |
| 1:15 PM 1:30 PM | 11 | 12 39 | 0 | 0 | 0 | 4 5 | | 4 | | 0 | 785 806 | | | | |
| 1:45 PM | | | 1 0 | 0 | 0 2 | 5 | 0 0 | 11 3 | 100 | 0 0 | 820 | | | | |
| 1.45 PM 2:00 PM | | | 0 | 0 | 2 | 5 | 0 | 5 | 72 96 | 0 | 820 | | | | |
| 2:00 PM 2:15 PM | | | 1 | 0 | 1 | 4 | 0 | 12 | 96 | 0 | 849 | | | | |
| 2:30 PM | | | 1 | 0 | 1 | 4 9 | 0 | 9 | 102 | 0 | 868 | | | | |
| 2:30 PM 2:45 PM | | 35 35 | 2 | 0 | 1 | 2 | 0 | 9 4 | 87 | 0 | 848 | | | | |
| 3:00 PM | | | 0 | 0 | 2 | 5 | 0 | 13 | 86 | 0 | 849 | | | | |
| 3:15 PM | | | 3 | 0 | 1 | 9 | 0 | 5 | 75 | 0 | 828 | | | | |
| 3:30 PM | | | 2 | 0 | 0 | 3 | 0 | 12 | 105 | 0 | 830 | | | | |
| 3:45 PM | | 30 | 2 | 0 | ° 1 | 6 | 0 | 10 | 83 | 0 | 831 | | | | |
| 4:00 PM | | | 1 | 0 | 4 | 10 | 0 | 10 | 81 | 0 | 835 | | | | |
| 4:15 PM | | | 2 | 0 | 0 | 5 | 0 | 6 | 97 | 0 | 851 | | | | |
| 4:30 PM | | 98 | 2 | 0 | 0 | 4 | 0 | 5 | 98 | 0 | 831 | SB | SWB | NB | |
| 4:45 PM | | 98 | 2 | 0 | 1 | 5 | 0 | 4 | 98 | 0 | 857 | 00 | 0.9 | 0.52 | 0.98 |
| | 41 | | 7 | 0 | 5 | 24 | 0 | 29 | 374 | 0 | | | | | |
| 5:00 PM | | 95 | 2 | 0 | 0 | 7 | 0 | 14 | 95 | 0 | 1711 | | | | |
| 5:15 PM | | | 0 | 0 | 0 | 6 | 0 | 10 | 88 | 0 | 1693 | | | | |
| 5:30 PM | | 73 | 0 | 0 | 1 | 5 | 0 | 5 | 70 | 0 | 1640 | | | | |
| 5:45 PM | | 74 | 0 | 0 | 1 | 9 | 0 | 5 | 64 | 0 | 728 | | | | |
| 6:00 PM | | 74 | 0 | 0 | 0 | 4 | 0 | 4 | 70 | 0 | 667 | | | | |
| 6:15 PM | | 50 | 0 | 0 | 0 | 4 | 0 | 9 | 59 | 0 | 581 | | | | |
| 6:30 PM | | 19 | 1 | 0 | 0 | 7 | 0 | 7 | 47 | 0 | 538 | | | | |
| 6:45 PM | | 52 | 0 | 0 | 1 | 2 | 0 | 5 | 37 | 0 | 482 | | | | |
| | | | - | - | - | | - | - | - | - | | | | | |

Articulated Trucks

| | | | - | | | | | | |
|--------------------|--------|-------------|--------|-------------------------------|-------------|--------|---------------|--------|--------|
| | | | | outhwestbound arker Street | | | | | |
| Start Time Thru | Hard | Left U-Turn | | ard Right Bear L | .eft U-Turn | Be | ar Right Thru | U- | Turn |
| Movement | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 10:00 AM | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 10:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 10:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 11:30 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 12:30 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:15 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 1:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:00 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:45 PM 3:00 PM | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 |
| 3:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 |
| 3:30 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:15 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | |

***NewClass

Bicycles on Road

| | | | | ithwestbound ker Street | | | | | |
|-----------------|------|-------------|---|----------------------------|-------------|-----|--------------|------|-----|
| Start Time Thru | Hard | Left U-Turn | | | Left U-Turn | Bea | r Right Thru | U-Tı | ırn |
| Movement | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7:00 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | |

| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------|---|---|---|---|---|---|---|---|---|
| 9:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 11:15 AM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12:45 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:00 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:15 PM | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 2:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:00 PM | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 6:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

***NewClass

Bicycles on Crosswalk

| | | | | Southwestbound | | | | | | |
|-----------------|---------|-----------|---|--------------------|------|--------|--------|-----------|--------|---|
| | | | | Parker Street | | | | | | |
| Start Time Thru | Hard Le | ft U-Turn | | Hard Right Bear Le | ft I | U-Turn | Bear R | ight Thru | U-Turn | |
| Movement | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| 7:00 AM | | | | | | | | | | |
| 7:15 AM | | | | | | | | | | |
| 7:30 AM | | | | | | | | | | |
| 7:45 AM | | | | | | | | | | |
| 8:00 AM | | | | | | | | | | |
| 8:15 AM | | | | | | | | | | |
| 8:30 AM | | | | | | | | | | |
| 8:45 AM | | | | | | | | | | |
| 9:00 AM | | | | | | | | | | |
| 9:15 AM | | | | | | | | | | |
| 9:30 AM | | | | | | | | | | |
| 9:45 AM | | | | | | | | | | |
| 10:00 AM | | | | | | | | | | |
| 10:15 AM | | | | | | | | | | |
| 10:30 AM | | | | | | | | | | |
| 10:45 AM | | | | | | | | | | |
| 11:00 AM | | | | | | | | | | |
| 11:15 AM | | | | | | | | | | |
| 11:30 AM | | | | | | | | | | |

***NewClass

1:45 PM 2:00 PM 2:15 PM 2:30 PM

| Pedestrians | | | | | | | | | |
|--------------|-----|-----------|--------|----------|--------------|--------|-----------|---------|--------|
| | | | | Southwe | estbound | | | | |
| | | | | Parker S | treet | | | | |
| Start Time T | ĥru | Hard Left | U-Turn | Hard Rig | ht Bear Left | U-Turn | Bear Righ | nt Thru | U-Turn |
| Movement | 0 | (| D | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:00 AM | | | | | | | | | |
| 7:15 AM | | | | | | | | | |
| 7:30 AM | | | | | | | | | |
| 7:45 AM | | | | | | | | | |
| 8:00 AM | | | | | | | | | |
| 8:15 AM | | | | | | | | | |
| 8:30 AM | | | | | | | | | |
| 8:45 AM | | | | | | | | | |
| 9:00 AM | | | | | | | | | |
| 9:15 AM | | | | | | | | | |
| 9:30 AM | | | | | | | | | |
| 9:45 AM | | | | | | | | | |
| 10:00 AM | | | | | | | | | |
| 10:15 AM | | | | | | | | | |
| 10:30 AM | | | | | | | | | |
| 10:45 AM | | | | | | | | | |
| 11:00 AM | | | | | | | | | |
| 11:15 AM | | | | | | | | | |
| 11:30 AM | | | | | | | | | |
| 11:45 AM | | | | | | | | | |
| 12:00 PM | | | | | | | | | |
| 12:15 PM | | | | | | | | | |
| 12:30 PM | | | | | | | | | |
| 12:45 PM | | | | | | | | | |
| 1:00 PM | | | | | | | | | |
| 1:15 PM | | | | | | | | | |
| 1:30 PM | | | | | | | | | |

0

Pedestrians

| 2:45 PM |
|---------|
| 3:00 PM |
| 3:15 PM |
| 3:30 PM |
| 3:45 PM |
| 4:00 PM |
| 4:15 PM |
| 4:30 PM |
| 4:45 PM |
| 5:00 PM |
| 5:15 PM |
| 5:30 PM |
| 5:45 PM |
| 6:00 PM |
| 6:15 PM |
| 6:30 PM |
| 6:45 PM |
| |

APPENDIX B SYNCHRO TRAFFIC ANALYSIS REPORTS

| Lane Group SEL SET NWT NET SWL SWT SWR Lane Configurations 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | * | X | × | * | í, | ¥ | × |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|---------|------------|-------|------|----------|------|
| Traffic Volume (vph) 109 316 417 120 45 324 356 Future Volume (vph) 109 316 417 120 45 324 356 Lane Group Flow (vph) 132 383 583 164 57 412 452 Turn Type Prot NA NA NA Prot NA NA Prot NA NA Prot NA NA Prot NA | Lane Group | SEL | SET | NWT | NET | SWL | SWT | SWR |
| Traffic Volume (vph) 109 316 417 120 45 324 356 Future Volume (vph) 109 316 417 120 45 324 356 Lane Group Flow (vph) 132 383 583 164 57 412 452 Tum Type Prot NA NA NA Prot NA NA Prot NA NA Prot NA NA Prot NA | Lane Configurations | ሻሻ | ĥ | A | A | ሻ | ^ | 1 |
| Lane Group Flow (vph) 132 383 583 164 57 412 452 Turn Type Prot NA NA NA NA Prot NA Permitted Phases 8 Permitted Phases 1 6 2 4 3 8 8 Switch Phase 1 6 2 4 3 8 8 Minimum Initial (s) 5.0 10.0 10.0 8.0 5.0 8.0 Minimum Split (s) 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (%) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0< | • | | | | | | | 356 |
| Turn Type Prot NA NA NA Prot NA Perm Protected Phases 1 6 2 4 3 8 Permitted Phases 1 6 2 4 3 8 Detector Phase 1 6 2 4 3 8 Minimum Initial (s) 5.0 10.0 10.0 8.0 5.0 8.0 8.0 Minimum Initial (s) 5.0 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | | 109 | 316 | 417 | 120 | 45 | 324 | 356 |
| Protected Phases 1 6 2 4 3 8 Permitted Phases 1 6 2 4 3 8 Detector Phase 1 6 2 4 3 8 8 Switch Phase 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Minimum Initial (s) 22.0 55.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 | Lane Group Flow (vph) | 132 | 383 | 583 | 164 | 57 | 412 | 452 |
| Permitted Phases 8 Detector Phase 1 6 2 4 3 8 8 Switch Phase | Turn Type | Prot | NA | NA | NA | Prot | NA | Perm |
| Detector Phase 1 6 2 4 3 8 8 Switch Phase Minimum Initial (s) 5.0 10.0 10.0 8.0 5.0 8.0 8.0 Minimum Initial (s) 5.0 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 22.0 55.0 33.0 34.0 16.0 50.0 50.0 Total Split (%) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 <t< td=""><td>Protected Phases</td><td>1</td><td>6</td><td>2</td><td>4</td><td>3</td><td>8</td><td></td></t<> | Protected Phases | 1 | 6 | 2 | 4 | 3 | 8 | |
| Switch Phase Minimum Initial (s) 5.0 10.0 10.0 8.0 5.0 8.0 Minimum Split (s) 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 22.0 55.0 33.0 34.0 16.0 50.0 50.0 Total Split (%) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 3.5 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 <td>Permitted Phases</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Permitted Phases | | | | | | | |
| Minimum Initial (s) 5.0 10.0 10.0 8.0 5.0 8.0 8.0 Minimum Split (s) 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 3.5 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | Detector Phase | 1 | 6 | 2 | 4 | 3 | 8 | 8 |
| Minimum Split (s) 11.0 16.0 33.0 34.0 9.5 14.0 14.0 Total Split (s) 22.0 55.0 33.0 34.0 16.0 50.0 50.0 Total Split (s) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 4.0 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 <td>Switch Phase</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Switch Phase | | | | | | | |
| Total Split (s) 22.0 55.0 33.0 34.0 16.0 50.0 50.0 Total Split (%) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 3.5 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 | Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 8.0 | 5.0 | 8.0 | 8.0 |
| Total Split (%) 21.0% 52.4% 31.4% 32.4% 15.2% 47.6% 47.6% Yellow Time (s) 4.0 4.0 4.0 4.0 3.5 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 0.0 2.0 0.61 <td>Minimum Split (s)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Minimum Split (s) | | | | | | | |
| Yellow Time (s) 4.0 4.0 4.0 4.0 3.5 4.0 4.0 All-Red Time (s) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 | , | | | | | | | |
| All-Red Time (s) 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 2.0 2.0 -2.0 -2.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| Lost Time Adjust (s) -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 4.0 4.0 Lead Lead <thlead< th=""> Lead Lead<td>()</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thlead<> | () | | | | | | | |
| Total Lost Time (s) 4.0 4.0 4.0 4.0 2.5 4.0 4.0 Lead/Lag Lead Lag Lag Lag Lead Lead Recall Mode None Min C-Min None None None None v/c Ratio 0.36 0.34 0.35 0.24 0.31 0.69 0.61 Control Delay 45.7 12.8 20.9 32.3 47.5 36.8 10.5 Queue Delay 0.0 0.9 0.0 0.0 0.0 0.0 0.0 Total Delay 45.7 13.7 20.9 32.3 47.5 36.8 10.5 Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation | | | | | | | | |
| Lead/Lag Lead Lag Lag Lead Lead-Lag Optimize? Recall Mode None Min C-Min None N | , | | | | | | | |
| Lead-Lag Optimize? Recall Mode None Min C-Min None Non | | | 4.0 | | 4.0 | | 4.0 | 4.0 |
| Recall Mode None Min C-Min None | U U | Lead | | Lag | Lag | Lead | | |
| v/c Ratio 0.36 0.34 0.35 0.24 0.31 0.69 0.61 Control Delay 45.7 12.8 20.9 32.3 47.5 36.8 10.5 Queue Delay 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 Total Delay 45.7 13.7 20.9 32.3 47.5 36.8 10.5 Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 298 Turn Bay Length (ft) 100 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td>• •</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | • • | | | | | | | |
| Control Delay 45.7 12.8 20.9 32.3 47.5 36.8 10.5 Queue Delay 0.0 0.9 0.0 0.0 0.0 0.0 0.0 Total Delay 45.7 13.7 20.9 32.3 47.5 36.8 10.5 Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 Turn Bay Length (ft) 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 < | | | | | | | | |
| Queue Delay 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 Total Delay 45.7 13.7 20.9 32.3 47.5 36.8 10.5 Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 Turn Bay Length (ft) 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| Total Delay 45.7 13.7 20.9 32.3 47.5 36.8 10.5 Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 298 Turn Bay Length (ft) 100 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 47.1 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 0 0 Intersection Summary Cycle Length: 105 0.23 0.59 0.35 0.17 0.24 0.49 0.50 Intersection Summary Cycle Length: 105 0 0 0 0 0 0 0 0 | | | | | | | | |
| Queue Length 50th (ft) 43 114 125 46 36 244 59 Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 Turn Bay Length (ft) 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 0 Reduced v/c Ratio 0.23 0.59 0.35 0.17 0.24 0.49 0.50 Intersection Summary | , | | | | | | | |
| Queue Length 95th (ft) 70 235 196 65 70 259 103 Internal Link Dist (ft) 329 936 184 298 Turn Bay Length (ft) 100 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 10 10 10 10 10 | • | | | | | | | |
| Internal Link Dist (ft) 329 936 184 298 Turn Bay Length (ft) 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 Reduced v/c Ratio 0.23 0.59 0.35 0.17 0.24 0.49 0.50 Intersection Summary | • • • • • • | | | | | | | |
| Turn Bay Length (ft) 100 100 Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 Reduced v/c Ratio 0.23 0.59 0.35 0.17 0.24 0.49 0.50 Intersection Summary | 3 | 70 | | | | 70 | | 103 |
| Base Capacity (vph) 579 1124 1663 963 236 849 909 Starvation Cap Reductn 0 471 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 Storage Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td>329</td> <td>936</td> <td>184</td> <td></td> <td>298</td> <td></td> | | | 329 | 936 | 184 | | 298 | |
| Starvation Cap Reductn 0 471 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| Spillback Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | |
| Storage Cap Reductn 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | |
| Reduced v/c Ratio 0.23 0.59 0.35 0.17 0.24 0.49 0.50 Intersection Summary Cycle Length: 105 0.50 0.50 0.50 0.50 Actuated Cycle Length: 105 0.50 0.50 0.50 0.50 0.50 Offset: 11 (10%), Referenced to phase 2:NWT, Start of Yellow 0.50 0.50 0.50 0.50 Natural Cycle: 90 Control Type: Actuated-Coordinated 0.50 0.50 0.50 0.50 Splits and Phases: 1: N. Main Street & State Street 0.50 0.50 0.50 0.50 | • • | | | | | | | |
| Intersection Summary Cycle Length: 105 Actuated Cycle Length: 105 Offset: 11 (10%), Referenced to phase 2:NWT, Start of Yellow Natural Cycle: 90 Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | | | - | | | | | |
| Cycle Length: 105 Actuated Cycle Length: 105 Offset: 11 (10%), Referenced to phase 2:NWT, Start of Yellow Natural Cycle: 90 Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | Reduced v/c Ratio | 0.23 | 0.59 | 0.35 | 0.17 | 0.24 | 0.49 | 0.50 |
| Actuated Cycle Length: 105 Offset: 11 (10%), Referenced to phase 2:NWT, Start of Yellow Natural Cycle: 90 Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | | | | | | | | |
| Offset: 11 (10%), Referenced to phase 2:NWT, Start of Yellow Natural Cycle: 90 Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | , , | | | | | | | |
| Natural Cycle: 90 Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | | | | | | | | |
| Control Type: Actuated-Coordinated Splits and Phases: 1: N. Main Street & State Street | | ed to phase | 2:NWT, | Start of Y | ellow | | | |
| Splits and Phases: 1: N. Main Street & State Street | | | | | | | | |
| | Control Type: Actuated-Coc | ordinated | | | | | | |
| | Splite and Phases: 1. N | Main Street | & State | Stroot | | | | |
| | | | | Sileel | | | / | |



HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer AM Existing |
|--------------------|
| Brewer AM Existing |

| Brewer_VPI&SMain.syn | | | | | | Brewer AM | | | | | | | |
|-----------------------------------|------------|--------------|-------|------|-----------|------------|---------|-------------|------|------|----------|------|--|
| | | \mathbf{X} | 2 | * | × | ₹. | 3 | * | ~ | í, | * | *~ | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR | |
| Lane Configurations | ካካ | 4Î | | | A1⊅ | | | ∱ î≽ | | ሻ | ↑ | 1 | |
| Traffic Volume (vph) | 109 | 316 | 0 | 0 | 417 | 20 | 0 | 120 | 14 | 45 | 324 | 356 | |
| Future Volume (vph) | 109 | 316 | 0 | 0 | 417 | 20 | 0 | 120 | 14 | 45 | 324 | 356 | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Grade (%) | | 7% | | | 1% | | | 8% | | | -6% | | |
| Total Lost time (s) | 4.0 | 4.0 | | | 4.0 | | | 4.0 | | 2.5 | 4.0 | 4.0 | |
| Lane Util. Factor | 0.97 | 1.00 | | | 0.95 | | | 0.95 | | 1.00 | 1.00 | 1.00 | |
| Frt | 1.00 | 1.00 | | | 0.99 | | | 0.98 | | 1.00 | 1.00 | 0.85 | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | | | 1.00 | | 0.95 | 1.00 | 1.00 | |
| Satd. Flow (prot) | 3379 | 1834 | | | 3567 | | | 3345 | | 1841 | 1938 | 1647 | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | | | 1.00 | | 0.95 | 1.00 | 1.00 | |
| Satd. Flow (perm) | 3379 | 1834 | | | 3567 | | | 3345 | | 1841 | 1938 | 1647 | |
| Peak-hour factor, PHF | 0.89 | 0.89 | 0.89 | 0.81 | 0.81 | 0.81 | 0.88 | 0.88 | 0.88 | 0.85 | 0.85 | 0.85 | |
| Growth Factor (vph) | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | |
| Adj. Flow (vph) | 132 | 383 | 0 | 0 | 556 | 27 | 0 | 147 | 17 | 57 | 412 | 452 | |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 228 | |
| Lane Group Flow (vph) | 132 | 383 | 0 | 0 | 583 | 0 | 0 | 154 | 0 | 57 | 412 | 224 | |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 2% | 2% | 1% | 1% | 1% | |
| Turn Type | Prot | NA | | | NA | | | NA | | Prot | NA | Perm | |
| Protected Phases | 1 | 6 | | | 2 | | | 4 | | 3 | 8 | | |
| Permitted Phases | | | | | | | | | | | | 8 | |
| Actuated Green, G (s) | 9.4 | 61.5 | | | 46.1 | | | 19.5 | | 7.5 | 31.5 | 31.5 | |
| Effective Green, g (s) | 11.4 | 63.5 | | | 48.1 | | | 21.5 | | 9.5 | 33.5 | 33.5 | |
| Actuated g/C Ratio | 0.11 | 0.60 | | | 0.46 | | | 0.20 | | 0.09 | 0.32 | 0.32 | |
| Clearance Time (s) | 6.0 | 6.0 | | | 6.0 | | | 6.0 | | 4.5 | 6.0 | 6.0 | |
| Vehicle Extension (s) | 3.0 | 3.0 | | | 3.0 | | | 3.0 | | 3.0 | 3.0 | 3.0 | |
| Lane Grp Cap (vph) | 366 | 1109 | | | 1634 | | | 684 | | 166 | 618 | 525 | |
| v/s Ratio Prot | 0.04 | c0.21 | | | 0.16 | | | 0.05 | | 0.03 | c0.21 | | |
| v/s Ratio Perm | | | | | | | | | | | | 0.14 | |
| v/c Ratio | 0.36 | 0.35 | | | 0.36 | | | 0.23 | | 0.34 | 0.67 | 0.43 | |
| Uniform Delay, d1 | 43.4 | 10.4 | | | 18.4 | | | 34.8 | | 44.8 | 30.9 | 28.2 | |
| Progression Factor | 1.00 | 1.00 | | | 1.00 | | | 1.00 | | 1.00 | 1.00 | 1.00 | |
| Incremental Delay, d2 | 0.6 | 0.2 | | | 0.6 | | | 0.2 | | 1.2 | 2.7 | 0.6 | |
| Delay (s) | 44.0 | 10.6 | | | 19.0 | | | 35.0 | | 46.1 | 33.6 | 28.7 | |
| Level of Service | D | B | | | B | | | C | | D | С | С | |
| Approach Delay (s) | | 19.1 | | | 19.0 | | | 35.0 | | | 32.0 | | |
| Approach LOS | | В | | | В | | | С | | | С | | |
| Intersection Summary | | | | | | | | | | | | | |
| HCM 2000 Control Delay | | | 25.7 | Н | CM 2000 | Level of S | Service | | С | | | | |
| HCM 2000 Volume to Capac | city ratio | | 0.49 | | | | | | | | | | |
| Actuated Cycle Length (s) | | | 105.0 | | um of los | | | | 14.5 | | | | |
| Intersection Capacity Utilization | tion | | 45.7% | IC | CU Level | of Service | | | А | | | | |
| Analysis Period (min) | | | 15 | | | | | | | | | | |
| c Critical Lane Group | | | | | | | | | | | | | |

| | ≯ | + | * | 4 | ł | • | 1 | 1 | ţ | ~ | |
|---------------------------|-------|----------|-------|-------|-------|-------|-------|-------|----------|-------|--|
| Lane Group | EBL | EBT | EBR | WBL | WBT | NBL | NBT | SBL | SBT | SBR | |
| Lane Configurations | ሻ | ↑ | 1 | ሻ | 4 | ሻ | 4Î | ሻ | ↑ | 1 | |
| Traffic Volume (vph) | 58 | 240 | 123 | 41 | 210 | 175 | 327 | 44 | 282 | 153 | |
| Future Volume (vph) | 58 | 240 | 123 | 41 | 210 | 175 | 327 | 44 | 282 | 153 | |
| Lane Group Flow (vph) | 71 | 295 | 151 | 53 | 300 | 205 | 480 | 51 | 327 | 178 | |
| Turn Type | Prot | NA | pt+ov | Prot | NA | Prot | NA | Prot | NA | pt+ov | |
| Protected Phases | 5 | 2 | 23 | 1 | 6 | 3 | 8 | 7 | 4 | 4 5 | |
| Permitted Phases | | | | | | | | | | | |
| Detector Phase | 5 | 2 | 23 | 1 | 6 | 3 | 8 | 7 | 4 | 4 5 | |
| Switch Phase | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 8.0 | | 5.0 | 8.0 | 5.0 | 5.0 | 5.0 | 5.0 | | |
| Minimum Split (s) | 10.5 | 34.5 | | 10.5 | 34.5 | 10.5 | 29.5 | 10.5 | 29.5 | | |
| Total Split (s) | 15.5 | 41.5 | | 15.5 | 41.5 | 15.5 | 34.5 | 15.5 | 34.5 | | |
| Total Split (%) | 14.5% | 38.8% | | 14.5% | 38.8% | 14.5% | 32.2% | 14.5% | 32.2% | | |
| Yellow Time (s) | 3.5 | 3.5 | | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | | |
| All-Red Time (s) | 2.0 | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| Lost Time Adjust (s) | -1.5 | -1.5 | | -1.5 | -1.5 | -1.5 | -1.5 | -1.5 | -1.5 | | |
| Total Lost Time (s) | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | |
| Lead/Lag | Lead | Lag | | Lead | Lag | Lead | Lag | Lead | Lag | | |
| Lead-Lag Optimize? | | | | | | | | | | | |
| Recall Mode | None | None | | None | None | None | None | None | None | | |
| v/c Ratio | 0.33 | 0.48 | 0.17 | 0.26 | 0.64 | 0.78 | 0.67 | 0.25 | 0.62 | 0.22 | |
| Control Delay | 41.8 | 28.7 | 3.3 | 41.0 | 34.8 | 60.3 | 30.1 | 40.9 | 31.9 | 3.1 | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | 41.8 | 28.7 | 3.3 | 41.0 | 34.8 | 60.3 | 30.1 | 40.9 | 31.9 | 3.1 | |
| Queue Length 50th (ft) | 36 | 144 | 0 | 27 | 147 | 111 | 220 | 26 | 144 | 0 | |
| Queue Length 95th (ft) | 84 | 231 | 31 | 64 | 219 | #276 | #450 | 67 | 265 | 36 | |
| Internal Link Dist (ft) | | 1706 | | | 2618 | | 355 | | 855 | | |
| Turn Bay Length (ft) | 150 | | 150 | | | | | 150 | | 150 | |
| Base Capacity (vph) | 259 | 891 | 911 | 259 | 880 | 262 | 727 | 259 | 724 | 850 | |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | 0.27 | 0.33 | 0.17 | 0.20 | 0.34 | 0.78 | 0.66 | 0.20 | 0.45 | 0.21 | |
| Intersection Summary | | | | | | | | | | | |
| Cycle Length: 107 | | | | | | | | | | | |
| Actuated Cycle Length: 82 | | | | | | | | | | | |
| Natural Cycle: 85 | | | | | | | | | | | |

Natural Cycle: 85

Control Type: Actuated-Uncoordinated

95th percentile volume exceeds capacity, queue may be longer.Queue shown is maximum after two cycles.

Splits and Phases: 2: S. Main Street/N. Main Street & Wilson Street

| √ Ø1 | ▼ Ø2 | \$ Ø3 | ♦ Ø4 |
|----------------|----------------|--------------|-------------|
| 15.5 s | 41.5 s | 15.5 s | 34.5 s |
| ₽ Ø5 | ← Ø6 | Ø7 | ¶ø8 |
| 15.5 s | 41.5 s | 15.5 s | 34.5 s |

HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer_vPi&Siviain.syn | | | | | | | | | | Ble | ewer Aivi | Existing |
|-------------------------------|-------------|----------|--------------|------|-----------|------------|----------|-------|------|----------|-----------|----------|
| | ٦ | - | \mathbf{r} | ∢ | + | * | • | 1 | 1 | 1 | Ļ | ~ |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ሻ | ↑ | 1 | ሻ | 4Î | | <u>۲</u> | 4Î | | <u>۲</u> | ↑ | 1 |
| Traffic Volume (vph) | 58 | 240 | 123 | 41 | 210 | 23 | 175 | 327 | 82 | 44 | 282 | 153 |
| Future Volume (vph) | 58 | 240 | 123 | 41 | 210 | 23 | 175 | 327 | 82 | 44 | 282 | 153 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 1.00 | 0.85 | 1.00 | 0.98 | | 1.00 | 0.97 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1787 | 1881 | 1599 | 1787 | 1853 | | 1805 | 1843 | | 1787 | 1881 | 1599 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1787 | 1881 | 1599 | 1787 | 1853 | | 1805 | 1843 | | 1787 | 1881 | 1599 |
| Peak-hour factor, PHF | 0.88 | 0.88 | 0.88 | 0.84 | 0.84 | 0.84 | 0.92 | 0.92 | 0.92 | 0.93 | 0.93 | 0.93 |
| Growth Factor (vph) | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% |
| Adj. Flow (vph) | 71 | 295 | 151 | 53 | 270 | 30 | 205 | 384 | 96 | 51 | 327 | 178 |
| RTOR Reduction (vph) | 0 | 0 | 77 | 0 | 4 | 0 | 0 | 8 | 0 | 0 | 0 | 97 |
| Lane Group Flow (vph) | 71 | 295 | 74 | 53 | 296 | 0 | 205 | 472 | 0 | 51 | 327 | 81 |
| Heavy Vehicles (%) | 1% | 1% | 1% | 1% | 1% | 1% | 0% | 0% | 0% | 1% | 1% | 1% |
| Turn Type | Prot | NA | pt+ov | Prot | NA | | Prot | NA | | Prot | NA | pt+ov |
| Protected Phases | 5 | 2 | 23 | 1 | 6 | | 3 | 8 | | 7 | 4 | . 4 5 |
| Permitted Phases | | | | | | | | | | | | |
| Actuated Green, G (s) | 8.4 | 25.3 | 41.2 | 4.8 | 21.7 | | 10.4 | 29.9 | | 4.7 | 24.2 | 38.1 |
| Effective Green, g (s) | 9.9 | 26.8 | 42.7 | 6.3 | 23.2 | | 11.9 | 31.4 | | 6.2 | 25.7 | 39.6 |
| Actuated g/C Ratio | 0.11 | 0.31 | 0.49 | 0.07 | 0.27 | | 0.14 | 0.36 | | 0.07 | 0.30 | 0.46 |
| Clearance Time (s) | 5.5 | 5.5 | | 5.5 | 5.5 | | 5.5 | 5.5 | | 5.5 | 5.5 | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | |
| Lane Grp Cap (vph) | 204 | 581 | 787 | 129 | 495 | | 247 | 667 | | 127 | 557 | 730 |
| v/s Ratio Prot | c0.04 | c0.16 | 0.05 | 0.03 | c0.16 | | c0.11 | c0.26 | | 0.03 | 0.17 | 0.05 |
| v/s Ratio Perm | | | | | | | | | | | | |
| v/c Ratio | 0.35 | 0.51 | 0.09 | 0.41 | 0.60 | | 0.83 | 0.71 | | 0.40 | 0.59 | 0.11 |
| Uniform Delay, d1 | 35.4 | 24.5 | 11.7 | 38.4 | 27.7 | | 36.4 | 23.7 | | 38.5 | 26.0 | 13.5 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.0 | 0.7 | 0.1 | 2.1 | 1.9 | | 20.1 | 3.4 | | 2.1 | 1.6 | 0.1 |
| Delay (s) | 36.5 | 25.2 | 11.8 | 40.5 | 29.6 | | 56.5 | 27.2 | | 40.6 | 27.6 | 13.5 |
| Level of Service | D | С | В | D | С | | Е | С | | D | С | В |
| Approach Delay (s) | | 22.8 | | | 31.3 | | | 35.9 | | | 24.3 | |
| Approach LOS | | С | | | С | | | D | | | С | |
| Intersection Summary | | | | | | | | | | | | |
| HCM 2000 Control Delay | | | 28.9 | Н | CM 2000 | Level of | Service | | С | | | |
| HCM 2000 Volume to Capa | icity ratio | | 0.66 | | | | | | | | | |
| Actuated Cycle Length (s) | | | 86.7 | | um of los | | | | 16.0 | | | |
| Intersection Capacity Utiliza | ation | | 59.3% | IC | CU Level | of Service | • | | В | | | |
| Analysis Period (min) | | | 15 | | | | | | | | | |
| | | | | | | | | | | | | |

c Critical Lane Group

† ↓ ↓

| | • | • | • |
|-----------------------|------|------|------|
| Lane Group | NBT | SBT | SWL |
| Lane Configurations | ef (| ÷ | Y |
| Traffic Volume (vph) | 281 | 403 | 23 |
| Future Volume (vph) | 281 | 403 | 23 |
| Lane Group Flow (vph) | 392 | 482 | 37 |
| Sign Control | Free | Free | Stop |
| Internetion Commence | | | |

Intersection Summary

| Intersection | | | | | | |
|------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.7 | | | | | |
| Movement | NBT | NBR | SBL | SBT | SWL | SWR |
| Lane Configurations | ef 👘 | | | - सी | ۰¥ | |
| Traffic Vol, veh/h | 281 | 27 | 3 | 403 | 23 | 5 |
| Future Vol, veh/h | 281 | 27 | 3 | 403 | 23 | 5 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage | ,# 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 80 | 80 | 86 | 86 | 78 | 78 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 358 | 34 | 4 | 478 | 30 | 7 |

| Major/Minor I | Major1 | Ν | Major2 | Ν | /linor1 | |
|-----------------------|--------|-----|--------|-------|---------|-------|
| Conflicting Flow All | 0 | 0 | 392 | 0 | 861 | 375 |
| Stage 1 | - | - | - | - | 375 | - |
| Stage 2 | - | - | - | - | 486 | - |
| Critical Hdwy | - | - | 4.1 | - | 6.4 | 6.2 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.4 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.4 | - |
| Follow-up Hdwy | - | - | 2.2 | - | 3.5 | 3.3 |
| Pot Cap-1 Maneuver | - | - | 1178 | - | 329 | 676 |
| Stage 1 | - | - | - | - | 699 | - |
| Stage 2 | - | - | - | - | 623 | - |
| Platoon blocked, % | - | - | | - | | |
| Mov Cap-1 Maneuver | - | - | 1178 | - | 327 | 676 |
| Mov Cap-2 Maneuver | - | - | - | - | 327 | - |
| Stage 1 | - | - | - | - | 699 | - |
| Stage 2 | - | - | - | - | 620 | - |
| | | | | | | |
| Approach | NB | | SB | | SW | |
| HCM Control Delay, s | 0 | | 0.1 | | 16.1 | |
| HCM LOS | Ū | | 0.1 | | C | |
| | | | | | U | |
| | | | | | | |
| Minor Lane/Major Mvm | nt | NBT | NBR | SBL | SBTS | WLn1 |
| Capacity (veh/h) | | - | - | 1178 | - | 360 |
| HCM Lane V/C Ratio | | - | - | 0.003 | - | 0.102 |
| HCM Control Delay (s) | | - | - | 8.1 | 0 | 16.1 |
| HCM Lane LOS | | - | - | Α | Α | С |

0.3

-

0

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HCM 95th %tile Q(veh)

| 2 | ۲. | * | * |
|-----|----------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| SER | NWR | NET | SWT |
| 1 | 1 | el el | • |
| 26 | 1 | 161 | 334 |
| 26 | 1 | 161 | 334 |
| 32 | 4 | 181 | 371 |
| | | Free | Free |
| | ř 26 26 | ř ř 26 1 26 1 | ř ř þ 26 1 161 26 1 161 32 4 181 |

| Intersection | | | | | | | | | | | | |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.7 | | | | | | | | | | | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | | 1 | | | 1 | | 4 | | | • | |
| Traffic Vol, veh/h | 0 | 0 | 26 | 0 | 0 | 1 | 0 | 161 | 11 | 0 | 334 | 0 |
| Future Vol, veh/h | 0 | 0 | 26 | 0 | 0 | 1 | 0 | 161 | 11 | 0 | 334 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | Stop | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | 0 | - | - | 0 | - | - | - | - | - | - |
| Veh in Median Storage | , # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 2 | - | - | 0 | - | - | 1 | - | - | -8 | - |
| Peak Hour Factor | 81 | 81 | 81 | 25 | 25 | 25 | 96 | 96 | 96 | 91 | 91 | 91 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mvmt Flow | 0 | 0 | 32 | 0 | 0 | 4 | 0 | 169 | 12 | 0 | 371 | 0 |
| | | | | | | | | | | | | |

| Major/Minor | Minor2 | | N | linor1 | | Μ | lajor1 | | Ма | ajor2 | | | |
|----------------------|--------|---|-----|--------|---|-----|--------|---|----|-------|---|---|--|
| Conflicting Flow All | - | - | 371 | - | - | 175 | - | 0 | 0 | - | - | 0 | |
| Stage 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Critical Hdwy | - | - | 6.4 | - | - | 6.2 | - | - | - | - | - | - | |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Follow-up Hdwy | - | - | 3.3 | - | - | 3.3 | - | - | - | - | - | - | |
| Pot Cap-1 Maneuver | 0 | 0 | 665 | 0 | 0 | 874 | 0 | - | - | 0 | - | 0 | |
| Stage 1 | 0 | 0 | - | 0 | 0 | - | 0 | - | - | 0 | - | 0 | |
| Stage 2 | 0 | 0 | - | 0 | 0 | - | 0 | - | - | 0 | - | 0 | |
| Platoon blocked, % | | | | | | | | - | - | | - | | |
| Mov Cap-1 Maneuver | | - | 665 | - | - | 874 | - | - | - | - | - | - | |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |
| Approach | SE | | | NW | | | NE | | | SW | | | |
| HCM Control Delay, s | 10.7 | | | 9.1 | | | 0 | | | 0 | | | |
| HCM LOS | В | | | А | | | | | | | | | |

| Minor Lane/Major Mvmt | NET | NERN | WLn1 | SELn1 | SWT |
|-----------------------|-----|------|-------|-------|-----|
| Capacity (veh/h) | - | - | 874 | 665 | - |
| HCM Lane V/C Ratio | - | - | 0.005 | 0.049 | - |
| HCM Control Delay (s) | - | - | 9.1 | 10.7 | - |
| HCM Lane LOS | - | - | А | В | - |
| HCM 95th %tile Q(veh) | - | - | 0 | 0.2 | - |

| | ¥ | × | À | Ť | × | 7 | × | í, | ¥ |
|-----------------------------|-----------|-----------|------------|-----------|-------|-------|-------|-------|-------|
| Lane Group | SEL | SET | SER | NWL | NWT | NEL | NET | SWL | SWT |
| Lane Configurations | | र्स | 1 | | \$ | 7 | ¢Î | | \$ |
| Traffic Volume (vph) | 7 | 20 | 154 | 20 | 38 | 204 | 156 | 4 | 325 |
| Future Volume (vph) | 7 | 20 | 154 | 20 | 38 | 204 | 156 | 4 | 325 |
| Lane Group Flow (vph) | 0 | 30 | 171 | 0 | 89 | 248 | 195 | 0 | 471 |
| Turn Type | Perm | NA | Perm | Perm | NA | Prot | NA | Perm | NA |
| Protected Phases | | 4 | | | 8 | 5 | 2 | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | | | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 |
| Switch Phase | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 15.0 | 15.0 | 22.5 | 22.5 |
| Total Split (s) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 21.0 | 47.0 | 26.0 | 26.0 |
| Total Split (%) | 34.7% | 34.7% | 34.7% | 34.7% | 34.7% | 29.2% | 65.3% | 36.1% | 36.1% |
| Yellow Time (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| All-Red Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 2.0 | 2.0 | 2.5 | 2.5 |
| Lost Time Adjust (s) | | -2.5 | -2.5 | | -2.5 | -1.0 | -1.0 | | -1.5 |
| Total Lost Time (s) | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 |
| Lead/Lag | | | | | | Lead | | Lag | Lag |
| Lead-Lag Optimize? | | | | | | | | 5 | 5 |
| Recall Mode | None | None | None | None | None | None | Min | Min | Min |
| v/c Ratio | | 0.08 | 0.36 | | 0.24 | 0.53 | 0.14 | | 0.69 |
| Control Delay | | 20.3 | 6.4 | | 20.9 | 25.5 | 4.7 | | 24.9 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 |
| Total Delay | | 20.3 | 6.4 | | 20.9 | 25.5 | 4.7 | | 24.9 |
| Queue Length 50th (ft) | | 9 | 0 | | 25 | 77 | 19 | | 135 |
| Queue Length 95th (ft) | | 28 | 41 | | 47 | 151 | 55 | | 222 |
| Internal Link Dist (ft) | | 361 | | | 312 | | 855 | | 227 |
| Turn Bay Length (ft) | | | 50 | | 512 | 50 | 500 | | / |
| Base Capacity (vph) | | 685 | 746 | | 680 | 583 | 1434 | | 797 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 |
| Reduced v/c Ratio | | 0.04 | 0.23 | | 0.13 | 0.43 | 0.14 | | 0.59 |
| Intersection Summary | | | | | | | | | |
| Cycle Length: 72 | | | | | | | | | |
| Actuated Cycle Length: 55.6 | | | | | | | | | |
| Natural Cycle: 65 | | | | | | | | | |
| Control Type: Actuated-Unco | ordinated | | | | | | | | |
| | | | | | | | | | |
| Solite and Phases: 22. N | Main Stra | at & Park | or Stroot/ | Rotton St | root | | | | |

Splits and Phases: 22: N. Main Street & Parker Street/Betton Street



HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer_VPI&SMain.syn | | | | | | | | | | DIE | ewer AM | |
|-----------------------------------|-------|--------------|-----------|---------|------------|------------|-----------|-----------|------|---------|-----------|------|
| | 4 | \mathbf{X} | 2 | 1 | × | ₹. | 5 | × | ~ | <u></u> | * | × |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | ्रभ | 1 | | 4 | | <u>۲</u> | ef 👘 | | | 4 | |
| Traffic Volume (vph) | 7 | 20 | 154 | 20 | 38 | 6 | 204 | 156 | 4 | 4 | 325 | 11 |
| Future Volume (vph) | 7 | 20 | 154 | 20 | 38 | 6 | 204 | 156 | 4 | 4 | 325 | 11 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Grade (%) | | 3% | | | 0% | | | 1% | | | -1% | |
| Total Lost time (s) | | 4.0 | 4.0 | | 4.0 | | 4.0 | 4.0 | | | 4.0 | |
| Lane Util. Factor | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Frt | | 1.00 | 0.85 | | 0.99 | | 1.00 | 1.00 | | | 1.00 | |
| Flt Protected | | 0.99 | 1.00 | | 0.98 | | 0.95 | 1.00 | | | 1.00 | |
| Satd. Flow (prot) | | 1847 | 1591 | | 1848 | | 1778 | 1865 | | | 1881 | |
| Flt Permitted | | 0.90 | 1.00 | | 0.89 | | 0.95 | 1.00 | | | 1.00 | |
| Satd. Flow (perm) | | 1690 | 1591 | | 1668 | | 1778 | 1865 | | | 1875 | |
| Peak-hour factor, PHF | 0.91 | 0.91 | 0.91 | 0.73 | 0.73 | 0.73 | 0.83 | 0.83 | 0.83 | 0.73 | 0.73 | 0.73 |
| | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% |
| Adj. Flow (vph) | 8 | 22 | 171 | 28 | 53 | 8 | 248 | 190 | 5 | 6 | 450 | 15 |
| RTOR Reduction (vph) | 0 | 0 | 141 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Lane Group Flow (vph) | 0 | 30 | 30 | 0 | 83 | 0 | 248 | 194 | 0 | 0 | 470 | 0 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 1% | 1% | 1% | 1% | 1% |
| | Perm | NA | Perm | Perm | NA | | Prot | NA | | Perm | NA | |
| Protected Phases | i onn | 4 | | 1 01111 | 8 | | 5 | 2 | | | 6 | |
| Permitted Phases | 4 | • | 4 | 8 | Ū | | U | _ | | 6 | Ū | |
| Actuated Green, G (s) | | 7.5 | 7.5 | Ŭ | 7.5 | | 13.5 | 37.9 | | Ŭ | 18.9 | |
| Effective Green, g (s) | | 10.0 | 10.0 | | 10.0 | | 14.5 | 38.9 | | | 20.4 | |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | | 0.25 | 0.68 | | | 0.36 | |
| Clearance Time (s) | | 6.5 | 6.5 | | 6.5 | | 5.0 | 5.0 | | | 5.5 | |
| Vehicle Extension (s) | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | | 3.0 | |
| Lane Grp Cap (vph) | | 297 | 279 | | 293 | | 453 | 1275 | | | 672 | |
| v/s Ratio Prot | | 201 | 215 | | 200 | | c0.14 | 0.10 | | | 012 | |
| v/s Ratio Perm | | 0.02 | 0.02 | | c0.05 | | 00.14 | 0.10 | | | c0.25 | |
| v/c Ratio | | 0.02 | 0.02 | | 0.28 | | 0.55 | 0.15 | | | 0.70 | |
| Uniform Delay, d1 | | 19.7 | 19.7 | | 20.3 | | 18.4 | 3.2 | | | 15.6 | |
| Progression Factor | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Incremental Delay, d2 | | 0.1 | 0.2 | | 0.5 | | 1.4 | 0.1 | | | 3.2 | |
| Delay (s) | | 19.8 | 19.9 | | 20.9 | | 19.7 | 3.2 | | | 18.8 | |
| Level of Service | | 13.0 B | 13.3 B | | 20.9 C | | 19.7 B | J.2 A | | | 10.0 B | |
| Approach Delay (s) | | 19.9 | U | | 20.9 | | U | 12.5 | | | 18.8 | |
| Approach LOS | | B | | | 20.5 C | | | 12.3 B | | | B | |
| Intersection Summary | | | | | | | | | | | | |
| HCM 2000 Control Delay | | | 16.8 | Н | CM 2000 | Level of S | Service | | В | | | |
| HCM 2000 Volume to Capacity | ratio | | 0.56 | | | | | | | | | |
| Actuated Cycle Length (s) | | | 56.9 | S | um of lost | time (s) | | | 12.0 | | | |
| Intersection Capacity Utilization | | | 49.8% | | CU Level o | | | | А | | | |
| Analysis Period (min) | | | 15 | | | | | | | | | |
| c Critical Lane Group | | | | | | | | | | | | |

| Lane Group | | |
|-----------------------|--|--|
| Lane Configurations | | |
| Traffic Volume (vph) | | |
| Future Volume (vph) | | |
| Lane Group Flow (vph) | | |
| Sign Control | | |
| Intersection Summary | | |

| Intersection | | | | | | | | | | | | | |
|------------------------|-------|------|------|------|------|------|------|---------------|------|------|------|------|--|
| Int Delay, s/veh | 0 | | | | | | | | | | | | |
| Movement | NBL | NBT | NBR | SBL | SBT | SBR | NEL | NET | NER | SWL | SWT | SWR | |
| Lane Configurations | | - 44 | | | - 44 | | | _ ≜ î≽ | | | - 🗘 | | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Future Vol, veh/h | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free | |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None | |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - | |
| Veh in Median Storage | , # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Mvmt Flow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | |

| Major/Minor | Minor1 | | | Vinor2 | | N | 1ajor1 | | М | ajor2 | | | |
|----------------------|--------|-------|-------|--------|-------|-------|--------|---|-----|-------|---|---|------|
| Conflicting Flow All | 1 | 1 | 0 | 1 | 1 | 1 | - | 0 | 0 | 0 | 0 | 0 | |
| Stage 1 | 0 | 0 | - | 1 | 1 | - | - | - | - | - | - | - | |
| Stage 2 | 1 | 1 | - | 0 | 0 | - | - | - | - | - | - | - | |
| Critical Hdwy | 7.33 | 6.53 | 6.93 | 7.33 | 6.53 | 6.23 | - | - | - | 4.13 | - | - | |
| Critical Hdwy Stg 1 | 6.53 | 5.53 | - | 6.13 | 5.53 | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | 6.13 | 5.53 | - | 6.53 | 5.53 | - | - | - | - | - | - | - | |
| Follow-up Hdwy | 3.519 | 4.019 | 3.319 | 3.519 | 4.019 | 3.319 | - | - | - 2 | 2.219 | - | - | |
| Pot Cap-1 Maneuver | 1021 | 895 | - | 1021 | 895 | 1083 | 0 | - | - | - | - | - | |
| Stage 1 | - | - | - | 1022 | 895 | - | 0 | - | - | - | - | - | |
| Stage 2 | 1022 | 895 | - | - | - | - | 0 | - | - | - | - | - | |
| Platoon blocked, % | | | | | | | | - | - | | - | - | |
| Mov Cap-1 Maneuver | | 895 | - | - | 895 | 1083 | - | - | - | - | - | - | |
| Mov Cap-2 Maneuver | 1021 | 895 | - | - | 895 | - | - | - | - | - | - | - | |
| Stage 1 | - | - | - | 1022 | 895 | - | - | - | - | - | - | - | |
| Stage 2 | 1022 | 895 | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |
| Approach | NB | | | SB | | | NE | | | SW | | | |
| HCM Control Delay, s | 0 | | | 0 | | | 0 | | | 0 | | | |
| HCM LOS | А | | | А | | | | | | | | | |

| Minor Lane/Major Mvmt | NET | NER NE | 3Ln1 SE | 3Ln1 | SWL | SWT | SWR |
|-----------------------|-----|--------|---------|------|-----|-----|-----|
| Capacity (veh/h) | - | - | - | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - | - | - | - |
| HCM Control Delay (s) | - | - | 0 | 0 | 0 | - | - |
| HCM Lane LOS | - | - | А | Α | А | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - | - | - | - |

| | × | × | × | ~ | * |
|-----------------------|------|------|------|-----|------|
| Lane Group | SET | NWT | NET | NER | SWT |
| Lane Configurations | \$ | \$ | र्च | 1 | \$ |
| Traffic Volume (vph) | 2 | 1 | 277 | 11 | 723 |
| Future Volume (vph) | 2 | 1 | 277 | 11 | 723 |
| Lane Group Flow (vph) | 8 | 48 | 337 | 13 | 885 |
| Sign Control | Stop | Stop | Free | | Free |
| Intersection Summary | | | | | |

| Intersection | | | | | | | | | | | | |
|------------------------|---------|------|------|--------|------|------|---------|----------------|------|--------|------|------|
| Int Delay, s/veh | 1.5 | | | | | | | | | | | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | - 44 | | | 4 | | | - 4 | 1 | | - 44 | |
| Traffic Vol, veh/h | 0 | 2 | 2 | 31 | 1 | 12 | 1 | 277 | 11 | 14 | 723 | 0 |
| Future Vol, veh/h | 0 | 2 | 2 | 31 | 1 | 12 | 1 | 277 | 11 | 14 | 723 | 0 |
| Conflicting Peds, #/hi | r 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | 0 | - | - | - |
| Veh in Median Storag | ge, # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 50 | 50 | 50 | 92 | 92 | 92 | 84 | 84 | 84 | 85 | 85 | 85 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Mvmt Flow | 0 | 4 | 4 | 34 | 1 | 13 | 1 | 336 | 13 | 17 | 868 | 0 |
| | | | | | | | | | | | | |
| Major/Minor | Minor2 | | 1 | Minor1 | | M | /lajor1 | | I | Major2 | | |
| Conflicting Flow All | 1254 | 1253 | 868 | 1244 | 1240 | 336 | 868 | 0 | 0 | 349 | 0 | 0 |

| Conflicting Flow All | 1254 | 1253 | 868 | 1244 | 1240 | 336 | 868 | 0 | 0 | 349 | 0 | 0 | |
|----------------------|------|------|-----|------|------|-----|-----|---|---|-------|---|---|--|
| Stage 1 | 902 | 902 | - | 338 | 338 | - | - | - | - | - | - | - | |
| Stage 2 | 352 | 351 | - | 906 | 902 | - | - | - | - | - | - | - | |
| Critical Hdwy | 7.1 | 6.5 | 6.2 | 7.1 | 6.5 | 6.2 | 4.1 | - | - | 4.11 | - | - | |
| Critical Hdwy Stg 1 | 6.1 | 5.5 | - | 6.1 | 5.5 | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | 6.1 | 5.5 | - | 6.1 | 5.5 | - | - | - | - | - | - | - | |
| Follow-up Hdwy | 3.5 | 4 | 3.3 | 3.5 | 4 | 3.3 | 2.2 | - | - | 2.209 | - | - | |
| Pot Cap-1 Maneuver | 150 | 174 | 355 | 152 | 177 | 711 | 785 | - | - | 1215 | - | - | |
| Stage 1 | 335 | 359 | - | 681 | 644 | - | - | - | - | - | - | - | |
| Stage 2 | 669 | 636 | - | 333 | 359 | - | - | - | - | - | - | - | |
| Platoon blocked, % | | | | | | | | - | - | | - | - | |
| Mov Cap-1 Maneuver | 143 | 169 | 355 | 144 | 172 | 711 | 785 | - | - | 1215 | - | - | |
| Mov Cap-2 Maneuver | 143 | 169 | - | 144 | 172 | - | - | - | - | - | - | - | |
| Stage 1 | 334 | 349 | - | 680 | 643 | - | - | - | - | - | - | - | |
| Stage 2 | 654 | 635 | - | 317 | 349 | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| Approach | SE | NW | NE | SW | |
|----------------------|------|------|----|-----|--|
| HCM Control Delay, s | 21.3 | 31.3 | 0 | 0.2 | |
| HCM LOS | С | D | | | |

| Minor Lane/Major Mvmt | NEL | NET | NERN | WLn1 | SELn1 | SWL | SWT | SWR |
|-----------------------|-------|-----|------|-------|-------|-------|-----|-----|
| Capacity (veh/h) | 785 | - | - | 185 | 229 | 1215 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.264 | 0.036 | 0.014 | - | - |
| HCM Control Delay (s) | 9.6 | 0 | - | 31.3 | 21.3 | 8 | 0 | - |
| HCM Lane LOS | А | А | - | D | С | А | А | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 1 | 0.1 | 0 | - | - |

| | * | \mathbf{x} | × | * | 4 | × | * |
|-----------------------------|-------------|--------------|------------|-------------|-------|-------|-------|
| Lane Group | SEL | SET | NWT | NET | SWL | SWT | SWR |
| Lane Configurations | ካካ | 4 | ≜†}⊧ | ∱1 } | 5 | 1 | 1 |
| Traffic Volume (vph) | 328 | 438 | 423 | 333 | 51 | 205 | 230 |
| Future Volume (vph) | 328 | 438 | 423 | 333 | 51 | 205 | 230 |
| Lane Group Flow (vph) | 394 | 546 | 607 | 501 | 62 | 249 | 279 |
| Turn Type | Prot | NA | NA | NA | Prot | NA | Perm |
| Protected Phases | 1 | 6 | 2 | 4 | 3 | 8 | |
| Permitted Phases | | | | | | | 8 |
| Detector Phase | 1 | 6 | 2 | 4 | 3 | 8 | 8 |
| Switch Phase | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 8.0 | 5.0 | 8.0 | 8.0 |
| Minimum Split (s) | 11.0 | 16.0 | 33.0 | 34.0 | 9.5 | 14.0 | 14.0 |
| Total Split (s) | 22.0 | 55.0 | 33.0 | 34.0 | 16.0 | 50.0 | 50.0 |
| Total Split (%) | 21.0% | 52.4% | 31.4% | 32.4% | 15.2% | 47.6% | 47.6% |
| Yellow Time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 3.5 | 4.0 | 4.0 |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 |
| Lost Time Adjust (s) | -2.0 | -2.0 | -2.0 | -2.0 | -2.0 | -2.0 | -2.0 |
| Total Lost Time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 2.5 | 4.0 | 4.0 |
| Lead/Lag | Lead | | Lag | Lag | Lead | | |
| Lead-Lag Optimize? | | | | | | | |
| Recall Mode | None | Min | C-Min | None | None | None | None |
| v/c Ratio | 0.67 | 0.50 | 0.45 | 0.66 | 0.33 | 0.40 | 0.39 |
| Control Delay | 46.8 | 16.4 | 27.8 | 40.6 | 47.9 | 27.5 | 4.0 |
| Queue Delay | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 46.8 | 18.3 | 27.8 | 40.6 | 47.9 | 27.5 | 4.0 |
| Queue Length 50th (ft) | 127 | 205 | 163 | 161 | 39 | 126 | 0 |
| Queue Length 95th (ft) | 180 | 374 | 226 | 167 | 78 | 162 | 45 |
| Internal Link Dist (ft) | | 329 | 936 | 184 | | 298 | |
| Turn Bay Length (ft) | | | | | 100 | | 100 |
| Base Capacity (vph) | 607 | 1089 | 1364 | 983 | 234 | 840 | 862 |
| Starvation Cap Reductn | 0 | 376 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.65 | 0.77 | 0.45 | 0.51 | 0.26 | 0.30 | 0.32 |
| Intersection Summary | | | | | | | |
| Cycle Length: 105 | | | | | | | |
| Actuated Cycle Length: 105 | | | | | | | |
| Offset: 11 (10%), Reference | ed to phase | 2:NWT, | Start of Y | ellow | | | |
| Natural Cycle: 90 | | | | | | | |
| Control Type: Actuated-Coc | ordinated | | | | | | |
| .. . | | | - | | | | |
| Splits and Phases: 1: N. I | Main Street | t & State | Street | | | | |
| . | X | | | | | ٢ | |



HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer_VPI&SMain.syn | | | | | | | | | | Bre | Brewer PM Existing | | | |
|----------------------------------------------------|------------|--------------|-------|------|-------------|----------|---------|-------|-----------|------|--------------------|------|--|--|
| | 4 | \mathbf{X} | 2 | F | × | ₹. | 3 | × | ~ | ۶, | * | * | | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR | | |
| Lane Configurations | ሻሻ | eî 👘 | | | ∱ î≽ | | | A⊅ | | ٦ | • | 1 | | |
| Traffic Volume (vph) | 328 | 438 | 17 | 0 | 423 | 49 | 0 | 333 | 34 | 51 | 205 | 230 | | |
| Future Volume (vph) | 328 | 438 | 17 | 0 | 423 | 49 | 0 | 333 | 34 | 51 | 205 | 230 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | |
| Grade (%) | | 7% | | | 1% | | | 8% | | | -6% | | | |
| Total Lost time (s) | 4.0 | 4.0 | | | 4.0 | | | 4.0 | | 2.5 | 4.0 | 4.0 | | |
| Lane Util. Factor | 0.97 | 1.00 | | | 0.95 | | | 0.95 | | 1.00 | 1.00 | 1.00 | | |
| Frpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | | | 1.00 | | 1.00 | 1.00 | 0.99 | | |
| Flpb, ped/bikes | 1.00 | 1.00 | | | 1.00 | | | 1.00 | | 1.00 | 1.00 | 1.00 | | |
| Frt | 1.00 | 0.99 | | | 0.98 | | | 0.99 | | 1.00 | 1.00 | 0.85 | | |
| Flt Protected | 0.95 | 1.00 | | | 1.00 | | | 1.00 | | 0.95 | 1.00 | 1.00 | | |
| Satd. Flow (prot) | 3379 | 1823 | | | 3536 | | | 3418 | | 1823 | 1919 | 1610 | | |
| Flt Permitted | 0.95 | 1.00 | | | 1.00 | | | 1.00 | | 0.95 | 1.00 | 1.00 | | |
| Satd. Flow (perm) | 3379 | 1823 | | | 3536 | | | 3418 | | 1823 | 1919 | 1610 | | |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.90 | 0.84 | 0.84 | 0.84 | 0.79 | 0.79 | 0.79 | 0.89 | 0.89 | 0.89 | | |
| Growth Factor (vph) | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | | |
| Adj. Flow (vph) | 394 | 526 | 20 | 0 | 544 | 63 | 0 | 455 | 46 | 62 | 249 | 279 | | |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 185 | | |
| Lane Group Flow (vph) | 394 | 546 | 0 | 0 | 607 | 0 | 0 | 493 | 0 | 62 | 249 | 94 | | |
| Confl. Bikes (#/hr) | | | | | | | | | | | | 1 | | |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 2% | 2% | | |
| Turn Type | Prot | NA | | | NA | | | NA | | Prot | NA | Perm | | |
| Protected Phases | 1 | 6 | | | 2 | | | 4 | | 3 | 8 | | | |
| Permitted Phases | | | | | | | | | | | | 8 | | |
| Actuated Green, G (s) | 16.2 | 59.8 | | | 37.6 | | | 21.0 | | 7.7 | 33.2 | 33.2 | | |
| Effective Green, g (s) | 18.2 | 61.8 | | | 39.6 | | | 23.0 | | 9.7 | 35.2 | 35.2 | | |
| Actuated g/C Ratio | 0.17 | 0.59 | | | 0.38 | | | 0.22 | | 0.09 | 0.34 | 0.34 | | |
| Clearance Time (s) | 6.0 | 6.0 | | | 6.0 | | | 6.0 | | 4.5 | 6.0 | 6.0 | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | | 3.0 | | | 3.0 | | 3.0 | 3.0 | 3.0 | | |
| Lane Grp Cap (vph) | 585 | 1072 | | | 1333 | | | 748 | | 168 | 643 | 539 | | |
| v/s Ratio Prot | c0.12 | c0.30 | | | 0.17 | | | c0.14 | | 0.03 | c0.13 | | | |
| v/s Ratio Perm | | | | | | | | | | | | 0.06 | | |
| v/c Ratio | 0.67 | 0.51 | | | 0.46 | | | 0.66 | | 0.37 | 0.39 | 0.17 | | |
| Uniform Delay, d1 | 40.6 | 12.7 | | | 24.6 | | | 37.4 | | 44.8 | 26.7 | 24.6 | | |
| Progression Factor | 1.00 | 1.00 | | | 1.00 | | | 1.00 | | 1.00 | 1.00 | 1.00 | | |
| Incremental Delay, d2 | 3.1 | 0.4 | | | 1.1 | | | 2.1 | | 1.4 | 0.4 | 0.2 | | |
| Delay (s) | 43.7 | 13.1 | | | 25.7 | | | 39.5 | | 46.1 | 27.1 | 24.8 | | |
| Level of Service | D | В | | | С | | | D | | D | С | С | | |
| Approach Delay (s) | | 25.9 | | | 25.7 | | | 39.5 | | | 28.0 | | | |
| Approach LOS | | С | | | С | | | D | | | С | | | |
| Intersection Summary | | | | | | | | | | | | | | |
| HCM 2000 Control Delay | | | 28.9 | н | CM 2000 | Level of | Sonvico | | С | | | | | |
| HCM 2000 Collinoi Delay HCM 2000 Volume to Capa | city ratio | | 0.58 | П | | Level OI | | | U | | | | | |
| Actuated Cycle Length (s) | | | 105.0 | 0 | um of los | time (s) | | | 14.5 | | | | | |
| Intersection Capacity Utiliza | ation | | 53.0% | | CU Level | | | | 14.5 A | | | | | |
| Analysis Period (min) | | | 15 | i C | | | · | | ~ | | | | | |
| c Critical Lane Group | | | 10 | | | | | | | | | | | |

c Critical Lane Group

| | ≯ | + | 7 | 4 | Ļ | • | 1 | * | ţ | ∢ | |
|-----------------------------|-------|----------|-------|-------|-------|-------|-------|-------|----------|-------|--|
| Lane Group | EBL | EBT | EBR | WBL | WBT | NBL | NBT | SBL | SBT | SBR | |
| Lane Configurations | ٦ | ↑ | 1 | ሻ | 4î | - ሽ | f, | ሻ | ↑ | 1 | |
| Traffic Volume (vph) | 178 | 280 | 297 | 85 | 283 | 166 | 314 | 48 | 367 | 122 | |
| Future Volume (vph) | 178 | 280 | 297 | 85 | 283 | 166 | 314 | 48 | 367 | 122 | |
| Lane Group Flow (vph) | 221 | 348 | 369 | 115 | 424 | 191 | 438 | 53 | 404 | 134 | |
| Turn Type | Prot | NA | pt+ov | Prot | NA | Prot | NA | Prot | NA | pt+ov | |
| Protected Phases | 5 | 2 | 23 | 1 | 6 | 3 | 8 | 7 | 4 | 4 5 | |
| Permitted Phases | | | | | | | | | | | |
| Detector Phase | 5 | 2 | 23 | 1 | 6 | 3 | 8 | 7 | 4 | 4 5 | |
| Switch Phase | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 8.0 | | 5.0 | 8.0 | 5.0 | 5.0 | 5.0 | 5.0 | | |
| Minimum Split (s) | 10.5 | 34.5 | | 10.5 | 34.5 | 10.5 | 29.5 | 10.5 | 29.5 | | |
| Total Split (s) | 15.5 | 41.5 | | 15.5 | 41.5 | 15.5 | 34.5 | 15.5 | 34.5 | | |
| Total Split (%) | 14.5% | 38.8% | | 14.5% | 38.8% | 14.5% | 32.2% | 14.5% | 32.2% | | |
| Yellow Time (s) | 3.5 | 3.5 | | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | | |
| All-Red Time (s) | 2.0 | 2.0 | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| Lost Time Adjust (s) | -1.5 | -1.5 | | -1.5 | -1.5 | -1.5 | -1.5 | -1.5 | -1.5 | | |
| Total Lost Time (s) | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | |
| Lead/Lag | Lead | Lag | | Lead | Lag | Lead | Lag | Lead | Lag | | |
| Lead-Lag Optimize? | | | | | | | | | | | |
| Recall Mode | None | None | | None | None | None | None | None | None | | |
| v/c Ratio | 0.97 | 0.60 | 0.42 | 0.55 | 0.76 | 0.83 | 0.71 | 0.29 | 0.78 | 0.17 | |
| Control Delay | 95.8 | 32.7 | 9.1 | 52.0 | 39.2 | 72.5 | 37.2 | 46.0 | 43.7 | 3.8 | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | 95.8 | 32.7 | 9.1 | 52.0 | 39.2 | 72.5 | 37.2 | 46.0 | 43.7 | 3.8 | |
| Queue Length 50th (ft) | ~135 | 179 | 61 | 65 | 226 | 114 | 229 | 30 | 217 | 0 | |
| Queue Length 95th (ft) | #313 | 266 | 124 | 120 | 294 | #278 | #435 | 73 | 367 | 35 | |
| Internal Link Dist (ft) | | 1706 | | | 2618 | | 355 | | 855 | | |
| Turn Bay Length (ft) | 150 | | 150 | | | | | 150 | | 150 | |
| Base Capacity (vph) | 229 | 787 | 877 | 229 | 779 | 229 | 642 | 227 | 634 | 783 | |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | 0.97 | 0.44 | 0.42 | 0.50 | 0.54 | 0.83 | 0.68 | 0.23 | 0.64 | 0.17 | |
| Intersection Summary | | | | | | | | | | | |
| Cycle Length: 107 | | | | | | | | | | | |
| Actuated Cycle Length: 92.2 | | | | | | | | | | | |

Actuated Cycle Length: 92.2

Natural Cycle: 95

Control Type: Actuated-Uncoordinated

Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.Queue shown is maximum after two cycles.

Splits and Phases: 2: S. Main Street/N. Main Street & Wilson Street

| Splits and Fliases. | | | |
|---------------------|----------------|--------------|-------------|
| √ Ø1 | ₩02 | \$ Ø3 | ↓ Ø4 |
| 15.5 s | 41.5 s | 15.5 s | 34.5 s |
| ᢞ _{ø5} | ← Ø6 | Ø7 | ¶ø8 |
| 15.5 s | 41.5 s | 15.5 s | 34.5 s |

Synchro 11 Report - 07/12/2024 STN 2: S. Main Street/N. Main Street & Wilson Street Page 3

HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer_VPI&SMain.syn | | | | | | | | | | Bre | ewer PM | <u>-xisting</u> |
|-------------------------------|-------------|-----------|--------------|-----------|------------|-------------|-----------|-----------|------|-----------|-----------|-----------------|
| | ٦ | - | \mathbf{r} | ∢ | - | • | • | 1 | 1 | 1 | Ļ | ~ |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ሻ | • | 1 | ٦ | ef 🔰 | | ۲. | f, | | ۲. | • | 7 |
| Traffic Volume (vph) | 178 | 280 | 297 | 85 | 283 | 31 | 166 | 314 | 67 | 48 | 367 | 122 |
| Future Volume (vph) | 178 | 280 | 297 | 85 | 283 | 31 | 166 | 314 | 67 | 48 | 367 | 122 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 1.00 | 0.85 | 1.00 | 0.99 | | 1.00 | 0.97 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1805 | 1900 | 1615 | 1805 | 1872 | | 1805 | 1850 | | 1787 | 1881 | 1599 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1805 | 1900 | 1615 | 1805 | 1872 | | 1805 | 1850 | | 1787 | 1881 | 1599 |
| Peak-hour factor, PHF | 0.87 | 0.87 | 0.87 | 0.80 | 0.80 | 0.80 | 0.94 | 0.94 | 0.94 | 0.98 | 0.98 | 0.98 |
| Growth Factor (vph) | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% | 108% |
| Adj. Flow (vph) | 221 | 348 | 369 | 115 | 382 | 42 | 191 | 361 | 77 | 53 | 404 | 134 |
| RTOR Reduction (vph) | 0 | 0 | 103 | 0 | 4 | 0 | 0 | 7 | 0 | 0 | 0 | 73 |
| Lane Group Flow (vph) | 221 | 348 | 266 | 115 | 420 | 0 | 191 | 431 | 0 | 53 | 404 | 61 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 1% | 1% |
| Turn Type | Prot | NA | pt+ov | Prot | NA | | Prot | NA | | Prot | NA | pt+ov |
| Protected Phases | 5 | 2 | 23 | 1 | 6 | | 3 | 8 | | 7 | 4 | 4 5 |
| Permitted Phases | Ű | _ | 20 | • | Ŭ | | Ű | Ű | | | • | 10 |
| Actuated Green, G (s) | 10.2 | 26.6 | 42.3 | 9.3 | 25.7 | | 10.2 | 28.7 | | 6.6 | 25.1 | 40.8 |
| Effective Green, g (s) | 11.7 | 28.1 | 43.8 | 10.8 | 27.2 | | 11.7 | 30.2 | | 8.1 | 26.6 | 42.3 |
| Actuated g/C Ratio | 0.13 | 0.30 | 0.47 | 0.12 | 0.29 | | 0.13 | 0.32 | | 0.09 | 0.29 | 0.45 |
| Clearance Time (s) | 5.5 | 5.5 | 0.11 | 5.5 | 5.5 | | 5.5 | 5.5 | | 5.5 | 5.5 | 0110 |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | |
| Lane Grp Cap (vph) | 226 | 572 | 758 | 209 | 546 | | 226 | 599 | | 155 | 536 | 725 |
| v/s Ratio Prot | c0.12 | 0.18 | 0.16 | 0.06 | c0.22 | | c0.11 | c0.23 | | 0.03 | 0.21 | 0.04 |
| v/s Ratio Perm | 00.12 | 0.10 | 0.10 | 0.00 | 00.22 | | 00.11 | 00.20 | | 0.05 | 0.21 | 0.04 |
| v/c Ratio | 0.98 | 0.61 | 0.35 | 0.55 | 0.77 | | 0.85 | 0.72 | | 0.34 | 0.75 | 0.08 |
| Uniform Delay, d1 | 40.6 | 27.8 | 15.7 | 38.9 | 30.1 | | 39.9 | 27.8 | | 40.0 | 30.3 | 14.4 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 53.0 | 1.8 | 0.3 | 3.1 | 6.4 | | 24.0 | 4.1 | | 1.3 | 6.0 | 0.1 |
| Delay (s) | 93.6 | 29.7 | 16.0 | 42.0 | 36.6 | | 63.9 | 31.9 | | 41.4 | 36.3 | 14.5 |
| Level of Service | 55.0 F | 23.1 C | B | 42.0 D | 50.0 D | | 05.9 E | 51.9 C | | 41.4 D | 50.5 D | 14.J B |
| Approach Delay (s) | 1 | 39.3 | D | U | 37.7 | | L | 41.6 | | U | 31.8 | D |
| Approach LOS | | 59.5 D | | | 57.7 D | | | 41.0 D | | | 51.0 C | |
| • • | | U | | | U | | | U | | | U | |
| Intersection Summary | | | | | | | | | | | | |
| HCM 2000 Control Delay | | | 37.9 | Н | CM 2000 | Level of \$ | Service | | D | | | |
| HCM 2000 Volume to Capa | icity ratio | | 0.80 | - | | | | | | | | |
| Actuated Cycle Length (s) | | | 93.2 | | um of lost | | | | 16.0 | | | |
| Intersection Capacity Utiliza | ation | | 72.9% | IC | CU Level o | ot Service | | | С | | | |
| Analysis Period (min) | | | 15 | | | | | | | | | |

c Critical Lane Group

† ↓ ↓

| | • | • | • |
|-----------------------|------|------|------|
| Lane Group | NBT | SBT | SWL |
| Lane Configurations | 4 | र्च | ¥ |
| Traffic Volume (vph) | 374 | 418 | 24 |
| Future Volume (vph) | 374 | 418 | 24 |
| Lane Group Flow (vph) | 514 | 504 | 38 |
| Sign Control | Free | Free | Stop |
| Interportion Summary | | | |

Intersection Summary

| Intersection | | | | | | |
|------------------------|--------|------|------|------------------|------|------|
| Int Delay, s/veh | 0.7 | | | | | |
| Movement | NBT | NBR | SBL | SBT | SWL | SWR |
| Lane Configurations | 4 | | | - स ी | ۰¥ | |
| Traffic Vol, veh/h | 374 | 29 | 7 | 418 | 24 | 5 |
| Future Vol, veh/h | 374 | 29 | 7 | 418 | 24 | 5 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage | e, # 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 80 | 80 | 86 | 86 | 78 | 78 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 477 | 37 | 8 | 496 | 31 | 7 |

| Major/Minor | Major1 | Ν | Major2 | Ν | /linor1 | |
|----------------------|--------|-----|--------|-------|---------|---------|
| Conflicting Flow All | 0 | 0 | 514 | 0 | 1008 | 496 |
| Stage 1 | - | - | - | - | 496 | - |
| Stage 2 | - | - | - | - | 512 | - |
| Critical Hdwy | - | - | 4.1 | - | 6.4 | 6.2 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.4 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.4 | - |
| Follow-up Hdwy | - | - | 2.2 | - | 3.5 | 3.3 |
| Pot Cap-1 Maneuver | - | - | 1062 | - | 269 | 578 |
| Stage 1 | - | - | - | - | 616 | - |
| Stage 2 | - | - | - | - | 606 | - |
| Platoon blocked, % | - | - | | - | | |
| Mov Cap-1 Maneuver | - | - | 1062 | - | 266 | 578 |
| Mov Cap-2 Maneuver | _ | - | - | - | 266 | - |
| Stage 1 | - | - | - | - | 616 | - |
| Stage 2 | - | - | - | - | 600 | - |
| | | | | | | |
| Approach | NB | | SB | | SW | |
| Approach | | | | | | |
| HCM Control Delay, s | 0 | | 0.1 | | 19.1 | |
| HCM LOS | | | | | С | |
| | | | | | | |
| Minor Lane/Major Mvr | nt | NBT | NBR | SBL | SBTS | WLn1 |
| Capacity (veh/h) | | - | - | 1062 | - | 293 |
| | | | | 0.000 | | 0 4 0 0 |

| | - | - | 1002 | - | 295 | |
|-----------------------|---|---|-------|---|-------|--|
| HCM Lane V/C Ratio | - | - | 0.008 | - | 0.129 | |
| HCM Control Delay (s) | - | - | 8.4 | 0 | 19.1 | |
| HCM Lane LOS | - | - | Α | А | С | |
| HCM 95th %tile Q(veh) | - | - | 0 | - | 0.4 | |

| | 2 | ť | × | * |
|-----------------------|-----|-----|------|------|
| Lane Group | SER | NWR | NET | SWT |
| Lane Configurations | 1 | 1 | eî. | • |
| Traffic Volume (vph) | 33 | 6 | 352 | 215 |
| Future Volume (vph) | 33 | 6 | 352 | 215 |
| Lane Group Flow (vph) | 50 | 12 | 466 | 239 |
| Sign Control | | | Free | Free |
| Intersection Summary | | | | |

| Intersection | | | | | | | | | | | | |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.8 | | | | | | | | | | | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | | 1 | | | 1 | | 4 | | | • | |
| Traffic Vol, veh/h | 0 | 0 | 33 | 0 | 0 | 6 | 0 | 352 | 22 | 0 | 215 | 0 |
| Future Vol, veh/h | 0 | 0 | 33 | 0 | 0 | 6 | 0 | 352 | 22 | 0 | 215 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | Stop | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | 0 | - | - | 0 | - | - | - | - | - | - |
| Veh in Median Storage | , # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 2 | - | - | 0 | - | - | 1 | - | - | -8 | - |
| Peak Hour Factor | 67 | 67 | 67 | 50 | 50 | 50 | 81 | 81 | 81 | 91 | 91 | 91 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 4 | 4 |
| Mvmt Flow | 0 | 0 | 50 | 0 | 0 | 12 | 0 | 439 | 27 | 0 | 239 | 0 |
| | | | | | | | | | | | | |

| Major/Minor | Minor2 | | Minor1 | | Major1 | | | | Ма | ajor2 | | | |
|----------------------|--------|---|--------|----|--------|-----|----|---|----|-------|---|---|--|
| Conflicting Flow All | - | - | 239 | - | - | 453 | - | 0 | 0 | - | - | 0 | |
| Stage 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Critical Hdwy | - | - | 6.4 | - | - | 6.2 | - | - | - | - | - | - | |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Follow-up Hdwy | - | - | 3.3 | - | - | 3.3 | - | - | - | - | - | - | |
| Pot Cap-1 Maneuver | 0 | 0 | 794 | 0 | 0 | 611 | 0 | - | - | 0 | - | 0 | |
| Stage 1 | 0 | 0 | - | 0 | 0 | - | 0 | - | - | 0 | - | 0 | |
| Stage 2 | 0 | 0 | - | 0 | 0 | - | 0 | - | - | 0 | - | 0 | |
| Platoon blocked, % | | | | | | | | - | - | | - | | |
| Mov Cap-1 Maneuver | | - | 794 | - | - | 611 | - | - | - | - | - | - | |
| Mov Cap-2 Maneuver | r - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 1 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |
| Approach | SE | | | NW | | | NE | | | SW | | | |
| HCM Control Delay, s | 9.8 | | | 11 | | | 0 | | | 0 | | | |
| HCM LOS | А | | | В | | | | | | | | | |
| | | | | | | | | | | | | | |

| Minor Lane/Major Mvmt | NET | NERN | WLn1 | SELn1 | SWT | |
|-----------------------|-----|------|------|-------|-----|--|
| Capacity (veh/h) | - | - | 611 | 794 | - | |
| HCM Lane V/C Ratio | - | - | 0.02 | 0.063 | - | |
| HCM Control Delay (s) | - | - | 11 | 9.8 | - | |
| HCM Lane LOS | - | - | В | А | - | |
| HCM 95th %tile Q(veh) | - | - | 0.1 | 0.2 | - | |

| | Å | × | À | Ť | × | 7 | × | í, | * | |
|-----------------------------|-------------|-----------|-------------|-----------|-------|-------|----------|-------|-------|--|
| Lane Group | SEL | SET | SER | NWL | NWT | NEL | NET | SWL | SWT | |
| Lane Configurations | | र्च | 1 | | ÷ | ľ | el el | | \$ | |
| Traffic Volume (vph) | 8 | 30 | 276 | 24 | 41 | 157 | 371 | 3 | 285 | |
| Future Volume (vph) | 8 | 30 | 276 | 24 | 41 | 157 | 371 | 3 | 285 | |
| Lane Group Flow (vph) | 0 | 39 | 287 | 0 | 89 | 191 | 462 | 0 | 354 | |
| Turn Type | Perm | NA | Perm | Perm | NA | Prot | NA | Perm | NA | |
| Protected Phases | | 4 | | | 8 | 5 | 2 | | 6 | |
| Permitted Phases | 4 | | 4 | 8 | | | | 6 | | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 | |
| Switch Phase | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 10.0 | 10.0 | 10.0 | |
| Minimum Split (s) | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 15.0 | 15.0 | 22.5 | 22.5 | |
| Total Split (s) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 21.0 | 47.0 | 26.0 | 26.0 | |
| Total Split (%) | 34.7% | 34.7% | 34.7% | 34.7% | 34.7% | 29.2% | 65.3% | 36.1% | 36.1% | |
| Yellow Time (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | |
| All-Red Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 2.0 | 2.0 | 2.5 | 2.5 | |
| Lost Time Adjust (s) | | -2.5 | -2.5 | | -2.5 | -1.0 | -1.0 | | -1.5 | |
| Total Lost Time (s) | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 | | 4.0 | |
| Lead/Lag | | | | | | Lead | | Lag | Lag | |
| Lead-Lag Optimize? | | | | | | | | 5 | J | |
| Recall Mode | None | None | None | None | None | None | Min | Min | Min | |
| v/c Ratio | | 0.09 | 0.48 | | 0.22 | 0.40 | 0.42 | | 0.57 | |
| Control Delay | | 18.9 | 6.1 | | 18.1 | 22.2 | 6.9 | | 20.7 | |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | | 0.0 | |
| Total Delay | | 18.9 | 6.1 | | 18.1 | 22.2 | 6.9 | | 20.7 | |
| Queue Length 50th (ft) | | 10 | 0 | | 19 | 49 | 52 | | 86 | |
| Queue Length 95th (ft) | | 34 | 52 | | 55 | 118 | 135 | | 201 | |
| Internal Link Dist (ft) | | 361 | | | 312 | | 855 | | 227 | |
| Turn Bay Length (ft) | | | 50 | | | 50 | | | | |
| Base Capacity (vph) | | 799 | 883 | | 772 | 658 | 1537 | | 872 | |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 | |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 | |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | | 0 | |
| Reduced v/c Ratio | | 0.05 | 0.33 | | 0.12 | 0.29 | 0.30 | | 0.41 | |
| Intersection Summary | | | | | | | | | | |
| Cycle Length: 72 | | | | | | | | | | |
| Actuated Cycle Length: 50.8 | 3 | | | | | | | | | |
| Natural Cycle: 65 | | | | | | | | | | |
| Control Type: Actuated-Unc | coordinated | | | | | | | | | |
| Splits and Phases: 22: N. | Main Stree | et & Park | er Street/I | Betton St | reet | | | | | |

 ✓ Ø2
 ✓ Ø4

 47 s
 25 s

 ✓ Ø5
 ✓ Ø6

 21 s
 26 s

HCM Signalized Intersection Capacity Analysis Brewer_VPI&SMain.syn

| Brewer_VPI&SMain.syn | | | | | | | | | | Bre | ewer PM | <u>-xisting</u> |
|----------------------------------|---------|--------------|--------|-------|-------------|------------|---------|------|------|------|---------|-----------------|
| | 4 | \mathbf{x} | 2 | - | × | ₹. | 3 | × | ~ | 6 | * | × |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | र्भ | 1 | | 4 | | ሻ | 4Î | | | 4 | |
| Traffic Volume (vph) | 8 | 30 | 276 | 24 | 41 | 11 | 157 | 371 | 9 | 3 | 285 | 9 |
| Future Volume (vph) | 8 | 30 | 276 | 24 | 41 | 11 | 157 | 371 | 9 | 3 | 285 | 9 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Grade (%) | | 3% | | | 0% | | | 1% | | | -1% | |
| Total Lost time (s) | | 4.0 | 4.0 | | 4.0 | | 4.0 | 4.0 | | | 4.0 | |
| Lane Util. Factor | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Frpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Flpb, ped/bikes | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Frt | | 1.00 | 0.85 | | 0.98 | | 1.00 | 1.00 | | | 1.00 | |
| Flt Protected | | 0.99 | 1.00 | | 0.98 | | 0.95 | 1.00 | | | 1.00 | |
| Satd. Flow (prot) | | 1852 | 1591 | | 1834 | | 1778 | 1864 | | | 1826 | |
| Flt Permitted | | 0.93 | 1.00 | | 0.90 | | 0.95 | 1.00 | | | 0.99 | |
| Satd. Flow (perm) | | 1746 | 1591 | | 1672 | | 1778 | 1864 | | | 1816 | |
| Peak-hour factor, PHF | 0.97 | 0.97 | 0.97 | 0.86 | 0.86 | 0.86 | 0.83 | 0.83 | 0.83 | 0.85 | 0.85 | 0.85 |
| Growth Factor (vph) | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% | 101% |
| Adj. Flow (vph) | 8 | 31 | 287 | 28 | 48 | 13 | 191 | 451 | 11 | 4 | 339 | 11 |
| RTOR Reduction (vph) | 0 | 0 | 220 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Lane Group Flow (vph) | 0 | 39 | 67 | 0 | 80 | 0 | 191 | 461 | 0 | 0 | 353 | 0 |
| Confl. Bikes (#/hr) | - | | | - | | - | | | 2 | - | | 1 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 1% | 1% | 4% | 4% | 4% |
| Turn Type | Perm | NA | Perm | Perm | NA | | Prot | NA | | Perm | NA | |
| Protected Phases | 1 Unit | 4 | 1 0111 | i onn | 8 | | 5 | 2 | | | 6 | |
| Permitted Phases | 4 | • | 4 | 8 | Ű | | Ŭ | _ | | 6 | Ű | |
| Actuated Green, G (s) | • | 9.3 | 9.3 | Ū | 9.3 | | 9.0 | 30.1 | | Ū | 15.6 | |
| Effective Green, g (s) | | 11.8 | 11.8 | | 11.8 | | 10.0 | 31.1 | | | 17.1 | |
| Actuated g/C Ratio | | 0.23 | 0.23 | | 0.23 | | 0.20 | 0.61 | | | 0.34 | |
| Clearance Time (s) | | 6.5 | 6.5 | | 6.5 | | 5.0 | 5.0 | | | 5.5 | |
| Vehicle Extension (s) | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | | 3.0 | |
| Lane Grp Cap (vph) | | 404 | 368 | | 387 | | 349 | 1138 | | | 610 | |
| v/s Ratio Prot | | 101 | 000 | | 001 | | c0.11 | 0.25 | | | 010 | |
| v/s Ratio Perm | | 0.02 | 0.04 | | c0.05 | | 00.11 | 0.20 | | | c0.19 | |
| v/c Ratio | | 0.10 | 0.18 | | 0.21 | | 0.55 | 0.40 | | | 0.58 | |
| Uniform Delay, d1 | | 15.4 | 15.7 | | 15.8 | | 18.4 | 5.1 | | | 13.9 | |
| Progression Factor | | 1.00 | 1.00 | | 1.00 | | 1.00 | 1.00 | | | 1.00 | |
| Incremental Delay, d2 | | 0.1 | 0.2 | | 0.3 | | 1.8 | 0.2 | | | 1.3 | |
| Delay (s) | | 15.5 | 15.9 | | 16.0 | | 20.2 | 5.4 | | | 15.3 | |
| Level of Service | | B | B | | B | | C | A | | | B | |
| Approach Delay (s) | | 15.9 | _ | | 16.0 | | • | 9.7 | | | 15.3 | |
| Approach LOS | | B | | | B | | | A | | | B | |
| | | _ | | | _ | | | | | | _ | |
| Intersection Summary | | | 10.0 | | 014 0000 | Loughat | Comiles | | | | | |
| HCM 2000 Control Delay | | | 12.9 | H | CM 2000 | Level of 3 | Service | | В | | | |
| HCM 2000 Volume to Capacity | y ratio | | 0.46 | | une efter | time (-) | | | 10.0 | | | |
| Actuated Cycle Length (s) | - | | 50.9 | | um of lost | | | | 12.0 | | | |
| Intersection Capacity Utilizatio | [] | | 57.0% | IC | CU Level of | DI SERVICE | | | В | | | |
| Analysis Period (min) | | | 15 | | | | | | | | | |

c Critical Lane Group

| Lane Group | | |
|-----------------------|--|--|
| Lane Configurations | | |
| Traffic Volume (vph) | | |
| Future Volume (vph) | | |
| Lane Group Flow (vph) | | |
| Sign Control | | |
| Intersection Summary | | |

| Intersection | | | | | | | | | | | | |
|------------------------|------|--------------|------|------|------|------|------|---------------|------|------|------|------|
| Int Delay, s/veh | 0 | | | | | | | | | | | |
| Movement | NBL | NBT | NBR | SBL | SBT | SBR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | - 4 > | | | - 44 | | | _ ≜ †≱ | | | - 44 | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, | # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Major/Minor | Minor1 | | | Vinor2 | | N | 1ajor1 | | N | lajor2 | | | |
|----------------------|--------|-------|-------|--------|-------|-------|--------|---|-----|--------|---|---|--|
| Conflicting Flow All | 1 | 1 | 0 | 1 | 1 | 1 | - | 0 | 0 | 0 | 0 | 0 | |
| Stage 1 | 0 | 0 | - | 1 | 1 | - | - | - | - | - | - | - | |
| Stage 2 | 1 | 1 | - | 0 | 0 | - | - | - | - | - | - | - | |
| Critical Hdwy | 7.33 | 6.53 | 6.93 | 7.33 | 6.53 | 6.23 | - | - | - | 4.13 | - | - | |
| Critical Hdwy Stg 1 | 6.53 | 5.53 | - | 6.13 | 5.53 | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | 6.13 | 5.53 | - | 6.53 | 5.53 | - | - | - | - | - | - | - | |
| Follow-up Hdwy | 3.519 | 4.019 | 3.319 | 3.519 | 4.019 | 3.319 | - | - | - 3 | 2.219 | - | - | |
| Pot Cap-1 Maneuver | 1021 | 895 | - | 1021 | 895 | 1083 | 0 | - | - | - | - | - | |
| Stage 1 | - | - | - | 1022 | 895 | - | 0 | - | - | - | - | - | |
| Stage 2 | 1022 | 895 | - | - | - | - | 0 | - | - | - | - | - | |
| Platoon blocked, % | | | | | | | | - | - | | - | - | |
| Mov Cap-1 Maneuver | | 895 | - | - | 895 | 1083 | - | - | - | - | - | - | |
| Mov Cap-2 Maneuver | 1021 | 895 | - | - | 895 | - | - | - | - | - | - | - | |
| Stage 1 | - | - | - | 1022 | 895 | - | - | - | - | - | - | - | |
| Stage 2 | 1022 | 895 | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |
| Approach | NB | | | SB | | | NE | | | SW | | | |
| HCM Control Delay, s | 0 | | | 0 | | | 0 | | | 0 | | | |
| HCM LOS | Α | | | Α | | | | | | | | | |

| Minor Lane/Major Mvmt | NET | NER NE | BLn1 SE | 3Ln1 | SWL | SWT | SWR |
|-----------------------|-----|--------|---------|------|-----|-----|-----|
| Capacity (veh/h) | - | - | - | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - | - | - | - |
| HCM Control Delay (s) | - | - | 0 | 0 | 0 | - | - |
| HCM Lane LOS | - | - | А | Α | Α | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - | - | - | - |

| | × | × | × | ~ | * |
|-----------------------|------|------|------|-----|------|
| Lane Group | SET | NWT | NET | NER | SWT |
| Lane Configurations | \$ | \$ | ÷ | 1 | \$ |
| Traffic Volume (vph) | 0 | 3 | 733 | 37 | 459 |
| Future Volume (vph) | 0 | 3 | 733 | 37 | 459 |
| Lane Group Flow (vph) | 4 | 90 | 808 | 41 | 499 |
| Sign Control | Stop | Stop | Free | | Free |
| Intersection Summary | | | | | |

| Intersection | | | | | | | | | | | | |
|------------------------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
| Int Delay, s/veh | 2.3 | | | | | | | | | | | |
| Movement | SEL | SET | SER | NWL | NWT | NWR | NEL | NET | NER | SWL | SWT | SWR |
| Lane Configurations | | - 40 | | | - 🗘 | | | - सी | 1 | | - 44 | |
| Traffic Vol, veh/h | 0 | 0 | 2 | 34 | 3 | 44 | 4 | 733 | 37 | 8 | 459 | 8 |
| Future Vol, veh/h | 0 | 0 | 2 | 34 | 3 | 44 | 4 | 733 | 37 | 8 | 459 | 8 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | 0 | - | - | - |
| Veh in Median Storage | e, # - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 50 | 50 | 50 | 92 | 92 | 92 | 93 | 93 | 93 | 97 | 97 | 97 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Mvmt Flow | 0 | 0 | 4 | 38 | 3 | 49 | 4 | 804 | 41 | 8 | 483 | 8 |
| | | | | | | | | | | | | |
| Major/Minor | Minor? | | | Minor1 | | Ν | laior1 | | P | Major2 | | |

| Major/Minor | Minor2 | | 1 | Minor1 | | 1 | Major1 | | Μ | lajor2 | | | |
|----------------------|--------|------|-----|--------|------|-----|--------|---|-----|--------|---|---|--|
| Conflicting Flow All | 1362 | 1356 | 487 | 1317 | 1319 | 804 | 491 | 0 | 0 | 845 | 0 | 0 | |
| Stage 1 | 503 | 503 | - | 812 | 812 | - | - | - | - | - | - | - | |
| Stage 2 | 859 | 853 | - | 505 | 507 | - | - | - | - | - | - | - | |
| Critical Hdwy | 7.1 | 6.5 | 6.2 | 7.1 | 6.5 | 6.2 | 4.1 | - | - | 4.11 | - | - | |
| Critical Hdwy Stg 1 | 6.1 | 5.5 | - | 6.1 | 5.5 | - | - | - | - | - | - | - | |
| Critical Hdwy Stg 2 | 6.1 | 5.5 | - | 6.1 | 5.5 | - | - | - | - | - | - | - | |
| Follow-up Hdwy | 3.5 | 4 | 3.3 | 3.5 | 4 | 3.3 | 2.2 | - | - 2 | 2.209 | - | - | |
| Pot Cap-1 Maneuver | 126 | 151 | 585 | 136 | 158 | 386 | 1083 | - | - | 796 | - | - | |
| Stage 1 | 555 | 545 | - | 376 | 395 | - | - | - | - | - | - | - | |
| Stage 2 | 354 | 378 | - | 553 | 543 | - | - | - | - | - | - | - | |
| Platoon blocked, % | | | | | | | | - | - | | - | - | |
| Mov Cap-1 Maneuver | r 107 | 148 | 585 | 133 | 155 | 386 | 1083 | - | - | 796 | - | - | |
| Mov Cap-2 Maneuver | r 107 | 148 | - | 133 | 155 | - | - | - | - | - | - | - | |
| Stage 1 | 551 | 537 | - | 373 | 392 | - | - | - | - | - | - | - | |
| Stage 2 | 304 | 375 | - | 541 | 535 | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | |

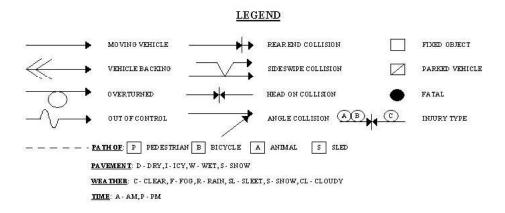
| Approach | SE | NW | NE | SW | |
|----------------------|------|------|----|-----|--|
| HCM Control Delay, s | 11.2 | 34.8 | 0 | 0.2 | |
| HCM LOS | В | D | | | |

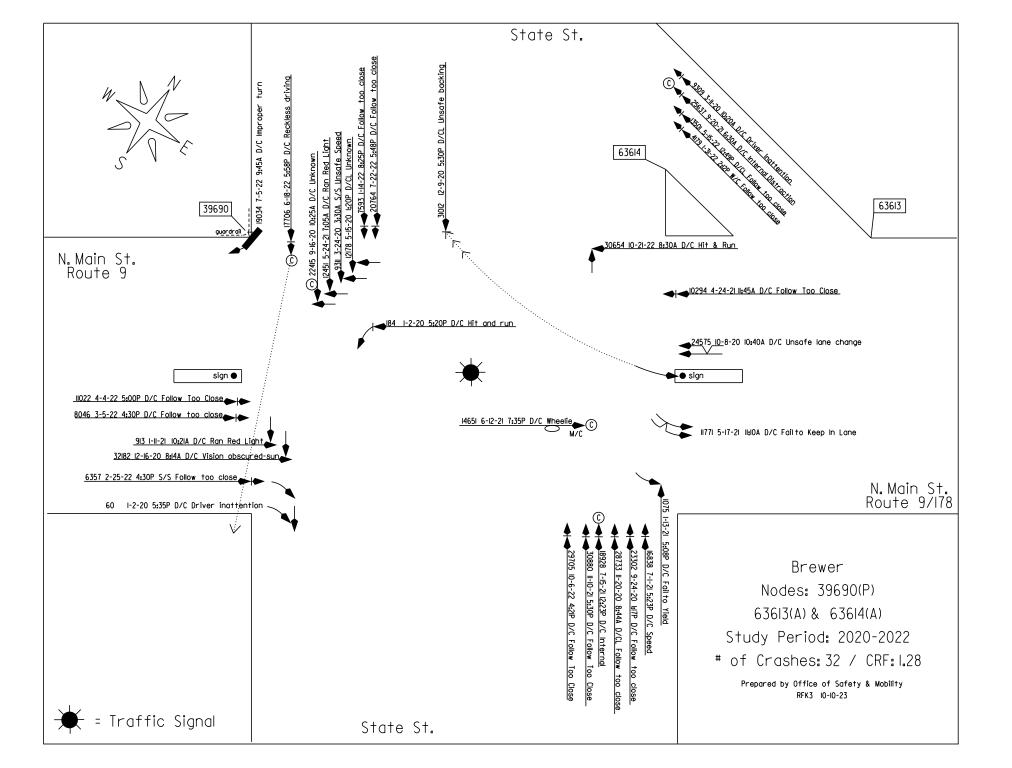
| Minor Lane/Major Mvmt | NEL | NET | NERM | IWLn1 | SELn1 | SWL | SWT | SWR |
|-----------------------|-------|-----|------|-------|-------|-------|-----|-----|
| Capacity (veh/h) | 1083 | - | - | 208 | 585 | 796 | - | - |
| HCM Lane V/C Ratio | 0.004 | - | - | 0.432 | 0.007 | 0.011 | - | - |
| HCM Control Delay (s) | 8.3 | 0 | - | 34.8 | 11.2 | 9.6 | 0 | - |
| HCM Lane LOS | А | А | - | D | В | А | А | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 2 | 0 | 0 | - | - |

APPENDIX C HIGH CRASH LOCATION CRASH DIAGRAMS AND SUMMARIES (FROM MAINEDOT)

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE

| COUNTY: | PENOE | BSCOT | TOWN: | BREV | VER | | | |
|--------------|----------------|------------------|--------------------|--------|---------|-------|-------|----|
| LOW NODE: | 39690 | HIGH NODE: 000 | 0 REG | BION: | 4 | U/R: | URBA | N |
| DESCR | RIPTION: | Int of N Main S | St and State | St | | | | |
| RTE # / RD # | 0009W | DATE DRAWN | N: 10/10/20 | 23 DRA | WN BY: | BOE | 3 K | |
| STUDY | FROM: | 1/1/2020 | STUDY - | TO: | 12/31/2 | 022 | | |
| CRASH RAT | E: 1.33 | CRF: 1.28 | % INJURY: | 15.6 | ΤΟΤΑ | L CRA | SHES: | 32 |







Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓Crash Summary I - Single Node | Section Detail | Crash Summary II | 1320 Public | 1320 Private | 1320 Summary |
|----------------------------------------------------------|------------------------------------------------|------------------|-------------|-------------------|--------------|
| REPORT DESCRIPTION Brewer Int State St & N Main St | | | | | |
| REPORT PARAMETERS Year 2020, Start Month 1 thro | ugh Year 2022 End | Month: 12 | | | |
| Route: 0009W | Start Node: 396 End Node: 396 | | | Exclude First No. | |

Maine Department Of Transportation - Office of Safety, Crash Records Section

Crash Summary I

| | | | | Nodes | | | | | | | | | | |
|----------|--------------|---------------------------|-----|---------|---|-------|--------|------|----|---------|--------------|---------------------------|-----------------|------|
| Node | Route - MP | Node Description | U/R | Total | | Injur | y Cras | shes | | Percent | Annual M | Crash Rate | Critical | CRF |
| | | | | Crashes | Κ | Α | В | С | PD | Injury | Ent-Veh | | Rate | |
| P39690 | 0009W - 0.17 | Int of N MAIN ST STATE ST | 9 | 32 | 0 | 0 | 0 | 5 | 27 | 15.6 | 7.992 Sta | 1.33 tewide Crash Rate | 1.04 e: 0.64 | 1.28 |
| Study Yo | ears: 3.00 | NODE TOTA | LS: | 32 | 0 | 0 | 0 | 5 | 27 | 15.6 | 7.992 | 1.33 | 1.04 | 1.28 |

Maine Department Of Transportation - Office of Safety, Crash Records Section Crash Summary II - Characteristics

| | | | Crashes by Day and Hour | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|----|---|-------------------------|---|---|----|---|---|---|---|----|--------|--------|---|---|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | ŀ | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| TUESDAY | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| SATURDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| Totals | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 1 | 4 | 2 | 2 | 2 | 1 | 0 | 3 | 9 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 32 |

| | | Vehicle Counts | by Туре |
|-----------------------------------------------|-------|--------------------|---------|
| Unit Type | Total | Unit Type | Total |
| 1-Passenger Car | 21 | 23-Bicyclist | 0 |
| 2-(Sport) Utility Vehicle | 25 | 24-Witness | 6 |
| 3-Passenger Van | 1 | 25-Other | 1 |
| 4-Cargo Van (10K lbs or Less) | 1 | 26-Construction | 0 |
| 5-Pickup | 10 | 27-Farm Vehicle | 0 |
| 6-Motor Home | 0 | 28-Horse and Buggy | 0 |
| 7-School Bus | 0 | Total | 68 |
| 8-Transit Bus | 0 | | 00 |
| 9-Motor Coach | 0 | | |
| 10-Other Bus | 0 | | |
| 11-Motorcycle | 1 | | |
| 12-Moped | 0 | | |
| 13-Low Speed Vehicle | 0 | | |
| 14-Autocycle | 0 | | |
| 15-Experimental | 0 | | |
| 16-Other Light Trucks (10,000 lbs or Less) | 0 | | |
| 17-Medium/Heavy Trucks (More than 10,000 lbs) | 2 | | |
| 18-ATV - (4 wheel) | 0 | | |
| 20-ATV - (2 wheel) | 0 | | |
| 21-Snowmobile | 0 | | |
| 22-Pedestrian | 0 | | |
| | | | |

Maine Department Of Transportation - Office of Safety, Crash Records Section Crash Summary II - Characteristics

| Crashes by Driver Action at Time of Crash | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------|------|------|------|------|------|-------|-------|--|--|--|--|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total | | | | |
| No Contributing Action | 4 | 28 | 0 | 0 | 0 | 0 | 32 | | | | |
| Ran Off Roadway | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | |
| Failed to Yield Right-of-Way | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | |
| Ran Red Light | 2 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Drove Too Fast For Conditions | 2 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| Improper Turn | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| mproper Passing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wrong Way | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Followed Too Closely | 10 | 1 | 0 | 0 | 0 | 0 | 11 | | | | |
| Failed to Keep in Proper Lane | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 2 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Other Contributing Action | 5 | 0 | 0 | 0 | 0 | 0 | 5 | | | | |
| Unknown | 2 | 1 | 0 | 0 | 0 | 0 | 3 | | | | |
| Total | 31 | 30 | 0 | 0 | 0 | 0 | 61 | | | | |

| Crashes by Appare | Crashes by Apparent Physical Condition And Driver | | | | | | | | | | |
|-----------------------------------------------------|---------------------------------------------------|------|------|------|------|-------|-------|--|--|--|--|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total | | | | |
| Apparently Normal | 30 | 29 | 0 | 0 | 0 | 0 | 59 | | | | |
| Physically Impaired | 0 | 1 | 0 | 0 | 0 | 0 | 1 | | | | |
| Emotional(Depressed, Angry, Disturbed, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| III (Sick) | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | |
| Asleep or Fatigued | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Under the Influence of Medications/Drugs/Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Total | 31 | 30 | 0 | 0 | 0 | 0 | 61 | | | | |

| Driver Age by Unit Type | | | | | | | | | | | |
|-------------------------|--------|---------|------------|------------|-----|-------|--|--|--|--|--|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total | | | | | |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 15-19 | 1 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 20-24 | 8 | 0 | 0 | 0 | 0 | 8 | | | | | |
| 25-29 | 4 | 0 | 0 | 0 | 0 | 4 | | | | | |
| 30-39 | 10 | 0 | 0 | 0 | 0 | 10 | | | | | |
| 40-49 | 13 | 0 | 0 | 0 | 0 | 13 | | | | | |
| 50-59 | 6 | 0 | 0 | 0 | 0 | 6 | | | | | |
| 60-69 | 11 | 0 | 0 | 0 | 0 | 11 | | | | | |
| 70-79 | 8 | 0 | 0 | 0 | 0 | 8 | | | | | |
| 80-Over | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Unknown | 1 | 0 | 0 | 0 | 0 | 1 | | | | | |
| Total | 62 | 0 | 0 | 0 | 0 | 62 | | | | | |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|---------------------------------------------------------------------------------|-------|------------------------------------------------------|-------|
| 1-Overturn / Rollover | 0 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 0 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | Total | 62 |
| 6-Fell / Jumped from Motor Vehicle | 0 | | 02 |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 1 | | |
| 9-Pedestrian | 0 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 35 | | |
| 14-Parked Motor Vehicle | 0 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 25 | 1-Traffic Signals (Stop & Go) | 27 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 1 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 4 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 1 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 0 |
| 30-Other Traffic Barrier | 0 | 14-Other | 0 |
| 31-Tree (Standing) | 0 | | |
| 32-Utility Pole / Light Support | 0 | Total | 32 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| Injury Data | | | | | | | | | |
|---------------|----------------|-----------------------|--|--|--|--|--|--|--|
| Severity Code | Injury Crashes | Number Of Injuries | | | | | | | |
| К | 0 | 0 | | | | | | | |
| А | 0 | 0 | | | | | | | |
| В | 0 | 0 | | | | | | | |
| С | 5 | 5 | | | | | | | |
| PD | 27 | 0 | | | | | | | |
| Total | 32 | 5 | | | | | | | |

| Road Character | | | | | | | | | |
|------------------|------------|-------|--|--|--|--|--|--|--|
| | Road Grade | Total | | | | | | | |
| 1-Level | | 7 | | | | | | | |
| 2-On Grade | | 13 | | | | | | | |
| 3-Top of Hill | | 12 | | | | | | | |
| 4-Bottom of Hill | | 0 | | | | | | | |
| 5-Other | | 0 | | | | | | | |
| Total | | 32 | | | | | | | |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 25 |
| 2-Dawn | 0 |
| 3-Dusk | 0 |
| 4-Dark - Lighted | 6 |
| 5-Dark - Not Lighted | 1 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 32 |

Crashes by Year and Month

| Month | 2020 | 2021 | 2022 |
|-----------|------|------|------|
| JANUARY | 2 | 2 | 2 |
| FEBRUARY | 0 | 0 | 1 |
| MARCH | 2 | 0 | 1 |
| APRIL | 0 | 1 | 1 |
| MAY | 1 | 2 | 1 |
| JUNE | 0 | 1 | 1 |
| JULY | 0 | 2 | 2 |
| AUGUST | 0 | 0 | 0 |
| SEPTEMBER | 2 | 1 | 0 |
| OCTOBER | 1 | 0 | 2 |
| NOVEMBER | 1 | 1 | 0 |
| DECEMBER | 2 | 0 | 0 |
| Total | 11 | 10 | 11 |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | Three Leg Intersection | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|---------------------------|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 0 | 0 | 4 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Pedestrians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 4 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Dark - Not Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Crash Summary II - Characteristics

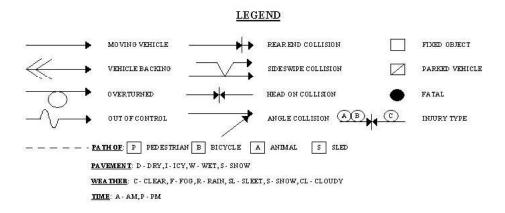
| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

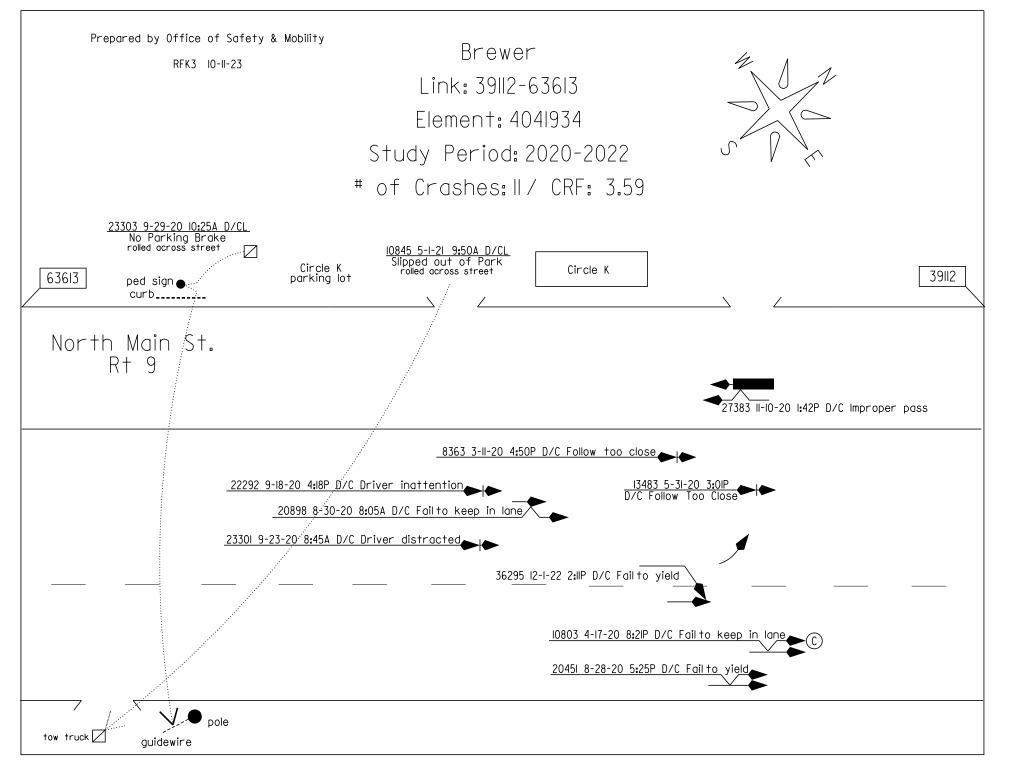
Crash Summary II - Characteristics

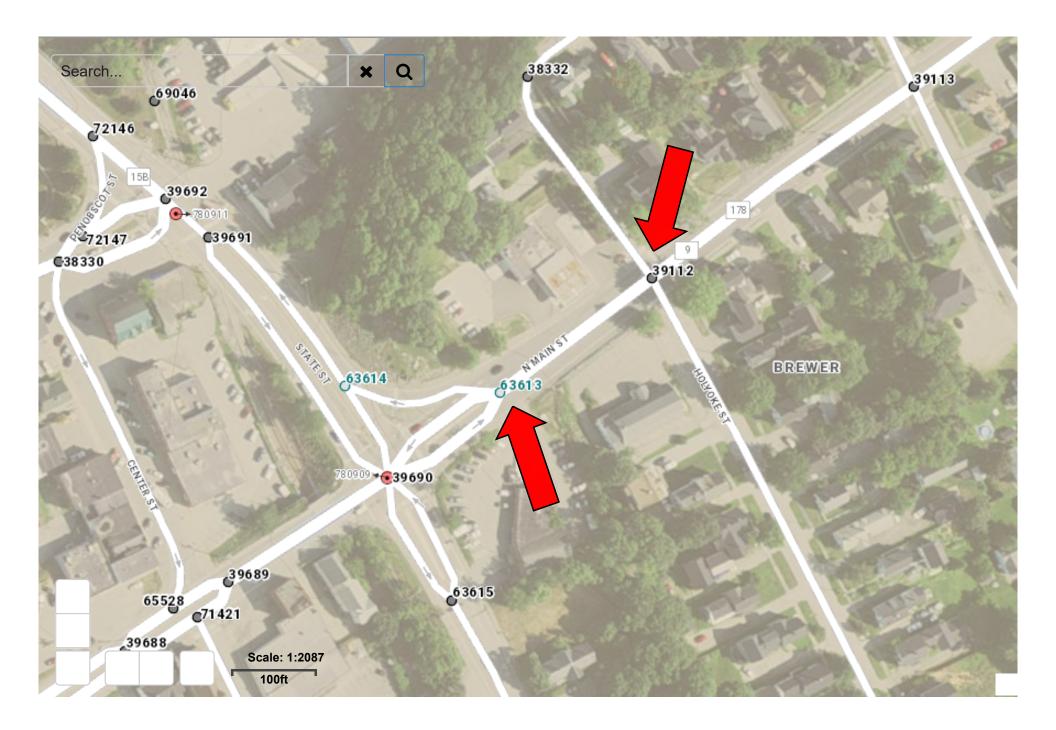
| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| leet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 32 |

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE

| COUNTY: | PENOE | BSCOT | TO | WN: BR | EWER | | |
|--------------|----------|-------------|-----------|---------------------|---------------|--------|----------|
| LOW NODE: | 39112 | HIGH NODE: | 63613 | REGION | 4 | U/R: | URBAN |
| DESCR | RIPTION: | N Main St | from Holy | oke St fror | n cut to St | ate St | |
| RTE # / RD # | 0009X | DATE DR/ | AWN: 10 | 0/ 11/2023 D | RAWN BY: | BOB | к |
| STUDY | FROM: | 1/1/2020 | S | rudy to: | 12/31/2 | 022 | |
| CRASH RAT | E: 2070. | 08 CRF: 3.5 | 9 % IN. | JURY: 9. ' | 1 TOTA | L CRAS | SHES: 11 |







Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓ Crash Summary I - Single Element | Section Detail | ✓Crash Summary II | 1320 Public | 1320 Private | 1320 Summary |
|---------------------------------------|----------------------------|-------------------|-------------|-----------------|--------------|
| REPORT DESCRIPTION | | | | | |
| Brewer | | | | | |
| N Main St from Holyoke St | to State St cut | | | | |
| | | | | | |
| REPORT PARAMETERS | | | | | |
| Year 2020, Start Month 1 th | nrough Year 2022 End Month | : 12 | | | |
| Route: 0009X | Start Node: 63613 | Start Offset: 0 | | Exclude First N | ode |

End Offset: 0

Exclude Last Node

End Node: 39112

| Crash | Summary I | |
|-------|-----------|--|
|-------|-----------|--|

| | | | | | | | Sect | ions | | | | | | | | | |
|----------------------|---------|----------------------|-------------|----------------------------|---------|-----|---------|------|------|--------|-------|----|---------|---------|------------------------------|------------------------|------|
| Start | End | Element | Offset | Route - MP | Section | U/R | Total | | Inju | iry Cr | ashes | 5 | Percent | Annual | Crash Rate | Critical | CRF |
| Node | Node | | Begin - End | | Length | | Crashes | Κ | Α | В | С | PD | Injury | HMVM | | Rate | |
| 39112 Int of HOLY | | 4041934 N MAIN ST | 0 - 0.04 | 0009X - 194.51 ST RTE 9 | 0.04 | 2 | 11 | 0 | 0 | 0 | 1 | 8 | 11.1 | 0.00177 | 2070.08 Statewide Crash F | 576.90 Rate: 187.33 | 3.59 |
| Study Ye | ears: 3 | 3.00 | | Section Totals: | 0.04 | | 11 | 0 | 0 | 0 | 1 | 8 | 9.1 | 0.00177 | 2070.08 | 576.90 | 3.59 |

| Crash Summary |
|---------------|
|---------------|

| | | | | | | Sect | ion De | etails | | | | | | |
|-------|-------|---------|-------------|----------------|---------|------|--------|--------|-------|----|--------------|------------|------------|--------|
| Start | End | Element | Offset | Route - MP | Total | | Inju | ry Cra | ashes | | Crash Report | Crash Date | Crash | Injury |
| Node | Node | | Begin - End | | Crashes | Κ | Α | В | С | PD | | | Mile Point | Degree |
| 39112 | 63613 | 4041934 | 0 - 0.04 | 0009X - 194.51 | 11 | 0 | 0 | 0 | 1 | 8 | 2020-23303 | 09/29/2020 | 194.52 | |
| | | | | | | | | | | | 2021-10845 | 05/01/2021 | 194.53 | |
| | | | | | | | | | | | 2020-20898 | 08/30/2020 | 194.53 | PD |
| | | | | | | | | | | | 2020-23301 | 09/23/2020 | 194.53 | PD |
| | | | | | | | | | | | 2020-22292 | 09/18/2020 | 194.53 | PD |
| | | | | | | | | | | | 2020-10803 | 04/17/2020 | 194.54 | С |
| | | | | | | | | | | | 2020-20451 | 08/28/2020 | 194.54 | PD |
| | | | | | | | | | | | 2020-27383 | 11/10/2020 | 194.54 | PD |
| | | | | | | | | | | | 2020-8363 | 03/11/2020 | 194.54 | PD |
| | | | | | | | | | | | 2020-13483 | 05/31/2020 | 194.54 | PD |
| | | | | | | | | | | | 2022-36295 | 12/01/2022 | 194.54 | PD |

Totals: 11 0 0 0 1 8

| | | | | | | | | | | Cr | ashes | by D | ay an | d Hou | ur | | | | | | | | | | | |
|-------------|----|---|---|---|---|----|---|---|---|----|-------|--------|--------|-------|----|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | F | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TUESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| SATURDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 |

| | Vehicle Counts | by Type |
|-------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total | Unit Type | Total |
| 9 | 23-Bicyclist | 0 |
| 5 | 24-Witness | 2 |
| 0 | 25-Other | 0 |
| 1 | 26-Construction | 0 |
| 5 | 27-Farm Vehicle | 0 |
| 0 | 28-Horse and Buggy | 0 |
| 0 | Total | 23 |
| 0 | | 20 |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 1 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| | 9 5 0 1 5 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 | Total Unit Type 9 23-Bicyclist 5 24-Witness 0 25-Other 1 26-Construction 5 27-Farm Vehicle 0 28-Horse and Buggy 0 Total 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 < |

| Crashes by Driv | er Ac | tion at | Time | of Cra | sh | | |
|--------------------------------------------------------------------------------------------------------|-------|---------|------|--------|------|-------|-------|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| No Contributing Action | 1 | 9 | 0 | 0 | 0 | 0 | 10 |
| Ran Off Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Yield Right-of-Way | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ran Red Light | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drove Too Fast For Conditions | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Turn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Passing | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Wrong Way | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Followed Too Closely | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Failed to Keep in Proper Lane | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributing Action | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 10 | 9 | 0 | 0 | 0 | 0 | 19 |

| Crashes by Appare | nt Phy | sical C | onditi | on An | d Driv | er | |
|-----------------------------------------------------|--------|---------|--------|-------|--------|-------|-------|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| Apparently Normal | 9 | 8 | 0 | 0 | 0 | 0 | 17 |
| Physically Impaired | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emotional(Depressed, Angry, Disturbed, etc.) | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| III (Sick) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asleep or Fatigued | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Under the Influence of Medications/Drugs/Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 9 | 0 | 0 | 0 | 0 | 19 |

| | | Drive | r Age by Uni | t Type | | |
|----------|--------|---------|--------------|------------|-----|-------|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-19 | 2 | 0 | 0 | 0 | 0 | 2 |
| 20-24 | 1 | 0 | 0 | 0 | 0 | 1 |
| 25-29 | 1 | 0 | 0 | 0 | 0 | 1 |
| 30-39 | 4 | 0 | 0 | 0 | 0 | 4 |
| 40-49 | 2 | 0 | 0 | 0 | 0 | 2 |
| 50-59 | 4 | 0 | 0 | 0 | 0 | 4 |
| 60-69 | 3 | 0 | 0 | 0 | 0 | 3 |
| 70-79 | 4 | 0 | 0 | 0 | 0 | 4 |
| 80-Over | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 21 | 0 | 0 | 0 | 0 | 21 |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|---------------------------------------------------------------------------------|-------|------------------------------------------------------|-------|
| 1-Overturn / Rollover | 0 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 2 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | Total | 21 |
| 6-Fell / Jumped from Motor Vehicle | 0 | | 21 |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 0 | | |
| 9-Pedestrian | 0 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 9 | | |
| 14-Parked Motor Vehicle | 1 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 9 | 1-Traffic Signals (Stop & Go) | 1 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 0 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 0 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 0 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 9 |
| 30-Other Traffic Barrier | 0 | 14-Other | 1 |
| 31-Tree (Standing) | 0 | | |
| 32-Utility Pole / Light Support | 0 | Total | 11 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| | Injury Data | |
|---------------|----------------|-----------------------|
| Severity Code | Injury Crashes | Number Of Injuries |
| К | 0 | 0 |
| А | 0 | 0 |
| В | 0 | 0 |
| С | 1 | 1 |
| PD | 8 | 0 |
| Total | 9 | 1 |

| | Road Character | |
|------------------|----------------|-------|
| | Road Grade | Total |
| 1-Level | | 3 |
| 2-On Grade | | 8 |
| 3-Top of Hill | | 0 |
| 4-Bottom of Hill | | 0 |
| 5-Other | | 0 |
| Total | | 11 |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 11 |
| 2-Dawn | 0 |
| 3-Dusk | 0 |
| 4-Dark - Lighted | 0 |
| 5-Dark - Not Lighted | 0 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 11 |

Crashes by Year and Month

| Month | 2020 | 2021 | 2022 |
|-----------|------|------|------|
| JANUARY | 0 | 0 | 0 |
| FEBRUARY | 0 | 0 | 0 |
| MARCH | 1 | 0 | 0 |
| APRIL | 1 | 0 | 0 |
| MAY | 1 | 1 | 0 |
| JUNE | 0 | 0 | 0 |
| JULY | 0 | 0 | 0 |
| AUGUST | 2 | 0 | 0 |
| SEPTEMBER | 3 | 0 | 0 |
| OCTOBER | 0 | 0 | 0 |
| NOVEMBER | 1 | 0 | 0 |
| DECEMBER | 0 | 0 | 1 |
| Total | 9 | 1 | 1 |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|---|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pedestrians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 11 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

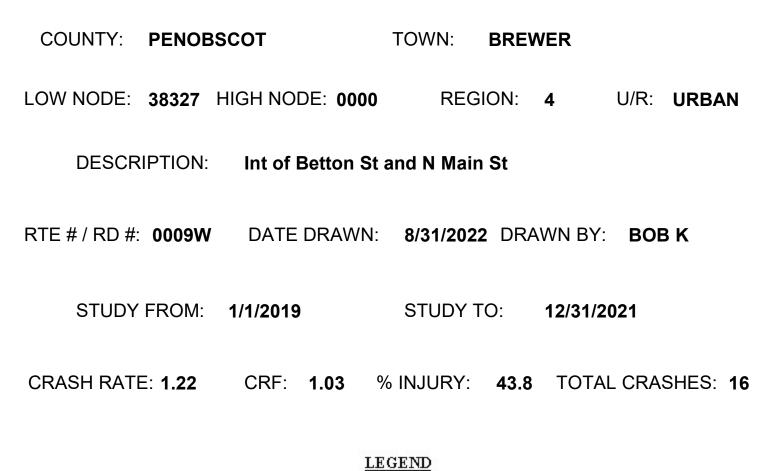
Crash Summary II - Characteristics

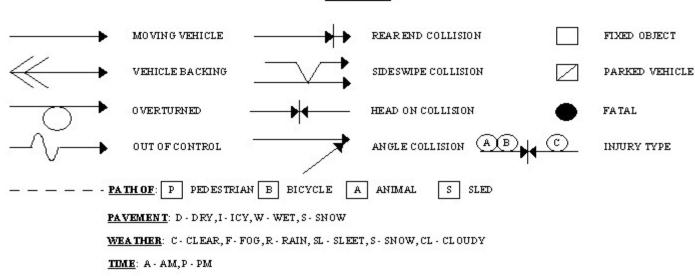
| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

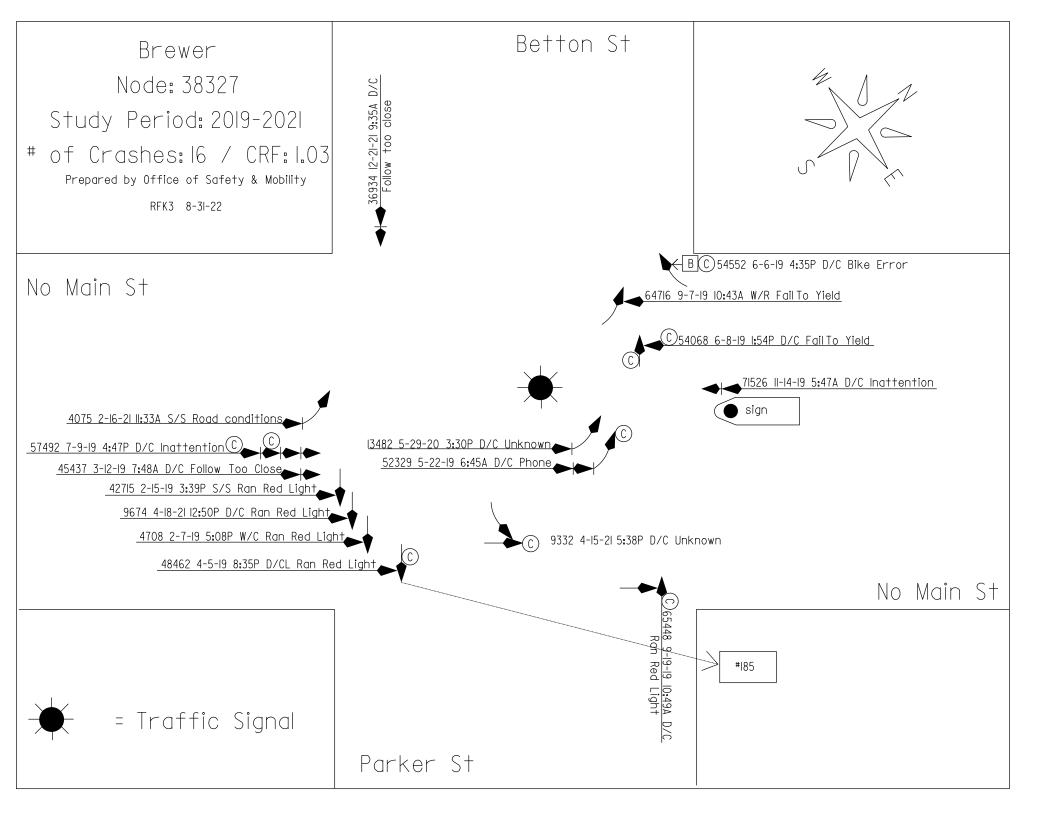
Crash Summary II - Characteristics

| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| leet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE









Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓ Crash Summary I - Single Node | Section D | etail | ✓Crash Summary II | 1320 Public | 1320 Private | 1320 Summary |
|------------------------------------|----------------|---------------|-------------------|-------------|------------------|--------------|
| REPORT DESCRIPTION | | | | | | |
| Brewer | | | | | | |
| Jct of N Main St & Parker St | Betton St | | | | | |
| | | | | | | |
| | | | | | | |
| REPORT PARAMETERS | | | | | | |
| Year 2019, Start Month 1 thr | ough Year 2021 | End Month: 12 | | | | |
| Route: 0009W | Start Node: | 38327 | Start Offset: 0 | | Exclude First No | ode |
| | End Node: | 38327 | End Offset: 0 | | Exclude Last No | ode |

Crash Summary I

| | | | | Nodes | | | | | | | | | | |
|---------|--------------------|--------------------------------------|-----|---------|---|-------|-------|------|----|---------|--------------|--------------------------|-----------------|------|
| Node | Route - MP | Node Description | U/R | Total | | Injur | y Cra | shes | | Percent | Annual M | Crash Rate | Critical | CRF |
| | | | | Crashes | Κ | Α | В | С | PD | Injury | Ent-Veh | eruen nate | Rate | •••• |
| 38327 | 0009W - 0.24 | Int of BETTON ST N MAIN ST PARKER ST | 9 | 16 | 0 | 0 | 0 | 7 | 9 | 43.8 | 4.375 Sta | 1.22 tewide Crash Rat | 1.19 e: 0.65 | 1.03 |
| Study Y | /ears: 3.00 | NODE TOTAL | _S: | 16 | 0 | 0 | 0 | 7 | 9 | 43.8 | 4.375 | 1.22 | 1.19 | 1.03 |

| | | | | | | | | | | Cr | ashes | by D | ay an | d Ho | ur | | | | | | | | | | | |
|-------------|----|---|---|---|---|----|---|---|---|----|-------|--------|--------|------|----|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | ŀ | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TUESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| SATURDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Totals | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 16 |

| | | | Vehicle Counts by 1 | Гуре |
|--------------------------------------------------|-------|-----------------|---------------------|-------|
| Unit Type | Total | | Unit Type | Total |
| 1-Passenger Car | 15 | 23-Bicyclist | | 1 |
| 2-(Sport) Utility Vehicle | 12 | 24-Witness | | 6 |
| 3-Passenger Van | 1 | 25-Other | | 0 |
| 4-Cargo Van (10K lbs or Less) | 0 | 26-Construction | | 0 |
| 5-Pickup | 5 | 27-Farm Vehicle | | 0 |
| 6-Motor Home | 0 | Total | | 41 |
| 7-School Bus | 0 | | | |
| 8-Transit Bus | 0 | | | |
| 9-Motor Coach | 0 | | | |
| 10-Other Bus | 0 | | | |
| 11-Motorcycle | 0 | | | |
| 12-Moped | 0 | | | |
| 13-Low Speed Vehicle | 0 | | | |
| 14-Autocycle | 0 | | | |
| 15-Experimental | 0 | | | |
| 16-Other Light Trucks (10,000 lbs or Less) | 0 | | | |
| 17-Medium/Heavy Trucks (More than 10,000 lbs) | 1 | | | |
| 18-ATV - (4 wheel) | 0 | | | |
| 20-ATV - (2 wheel) | 0 | | | |
| 21-Snowmobile | 0 | | | |

0

22-Pedestrian

| Crashes by Driv | er Ac | tion at | Time | of Cra | sh | | |
|--------------------------------------------------------------------------------------------------------|-------|---------|------|--------|------|-------|-------|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| No Contributing Action | 5 | 14 | 2 | 1 | 0 | 0 | 22 |
| Ran Off Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Yield Right-of-Way | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ran Red Light | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drove Too Fast For Conditions | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Turn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Passing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wrong Way | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Followed Too Closely | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| Failed to Keep in Proper Lane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributing Action | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Unknown | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 16 | 15 | 2 | 1 | 0 | 0 | 34 |

| Crashes by Appare | nt Phy | sical C | Conditi | ion An | d Driv | er | |
|-----------------------------------------------------|--------|---------|---------|--------|--------|-------|-------|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| Apparently Normal | 15 | 15 | 2 | 1 | 0 | 1 | 34 |
| Physically Impaired | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emotional(Depressed, Angry, Disturbed, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| III (Sick) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asleep or Fatigued | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Under the Influence of Medications/Drugs/Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 16 | 15 | 2 | 1 | 0 | 1 | 35 |

| | | Drive | r Age by Uni | t Type | | |
|----------|--------|---------|--------------|------------|-----|-------|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-19 | 5 | 0 | 0 | 0 | 0 | 5 |
| 20-24 | 4 | 0 | 0 | 0 | 0 | 4 |
| 25-29 | 1 | 0 | 0 | 0 | 0 | 1 |
| 30-39 | 7 | 0 | 0 | 0 | 0 | 7 |
| 40-49 | 5 | 0 | 0 | 0 | 0 | 5 |
| 50-59 | 3 | 0 | 0 | 0 | 0 | 3 |
| 60-69 | 4 | 0 | 0 | 0 | 0 | 4 |
| 70-79 | 4 | 0 | 0 | 0 | 0 | 4 |
| 80-Over | 1 | 0 | 0 | 0 | 0 | 1 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 1 |
| Total | 34 | 1 | 0 | 0 | 0 | 35 |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|---------------------------------------------------------------------------------|-------|------------------------------------------------------|-------|
| 1-Overturn / Rollover | 0 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 0 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | Total | 34 |
| 6-Fell / Jumped from Motor Vehicle | 0 | | • |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 0 | | |
| 9-Pedestrian | 0 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 27 | | |
| 14-Parked Motor Vehicle | 0 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 7 | 1-Traffic Signals (Stop & Go) | 16 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 0 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 0 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 0 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 0 |
| 30-Other Traffic Barrier | 0 | 14-Other | 0 |
| 31-Tree (Standing) | 0 | | |
| 32-Utility Pole / Light Support | 0 | Total | 16 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| Injury Data | | | | | | | | | | |
|---------------|----------------|-----------------------|--|--|--|--|--|--|--|--|
| Severity Code | Injury Crashes | Number Of Injuries | | | | | | | | |
| К | 0 | 0 | | | | | | | | |
| А | 0 | 0 | | | | | | | | |
| В | 0 | 0 | | | | | | | | |
| С | 7 | 9 | | | | | | | | |
| PD | 9 | 0 | | | | | | | | |
| Total | 16 | 9 | | | | | | | | |

| Road Character | | | | | | | | |
|------------------|------------|-------|--|--|--|--|--|--|
| | Road Grade | Total | | | | | | |
| 1-Level | | 15 | | | | | | |
| 2-On Grade | | 1 | | | | | | |
| 3-Top of Hill | | 0 | | | | | | |
| 4-Bottom of Hill | | 0 | | | | | | |
| 5-Other | | 0 | | | | | | |
| Total | | 16 | | | | | | |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 13 |
| 2-Dawn | 1 |
| 3-Dusk | 0 |
| 4-Dark - Lighted | 2 |
| 5-Dark - Not Lighted | 0 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 16 |

Crashes by Year and Month

| Month JANUARY | 2019 0 | 2020 0 | 2021 0 |
|-------------------------|------------------|------------------|------------------|
| FEBRUARY | 2 | 0 | 1 |
| MARCH | 1 | 0 | 0 |
| APRIL | 1 | 0 | 2 |
| MAY | 1 | 1 | 0 |
| JUNE | 2 | 0 | 0 |
| JULY | 1 | 0 | 0 |
| AUGUST | 0 | 0 | 0 |
| SEPTEMBER | 2 | 0 | 0 |
| OCTOBER | 0 | 0 | 0 |
| NOVEMBER | 1 | 0 | 0 |
| DECEMBER | 0 | 0 | 1 |
| Total | 11 | 1 | 4 |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | Three Leg Intersection | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|---------------------------|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Pedestrians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Daylight | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Crash Summary II - Characteristics

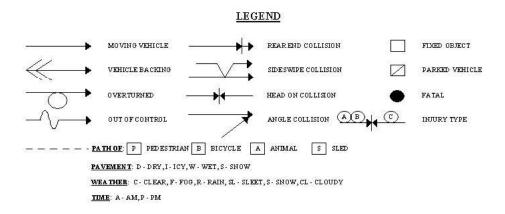
| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

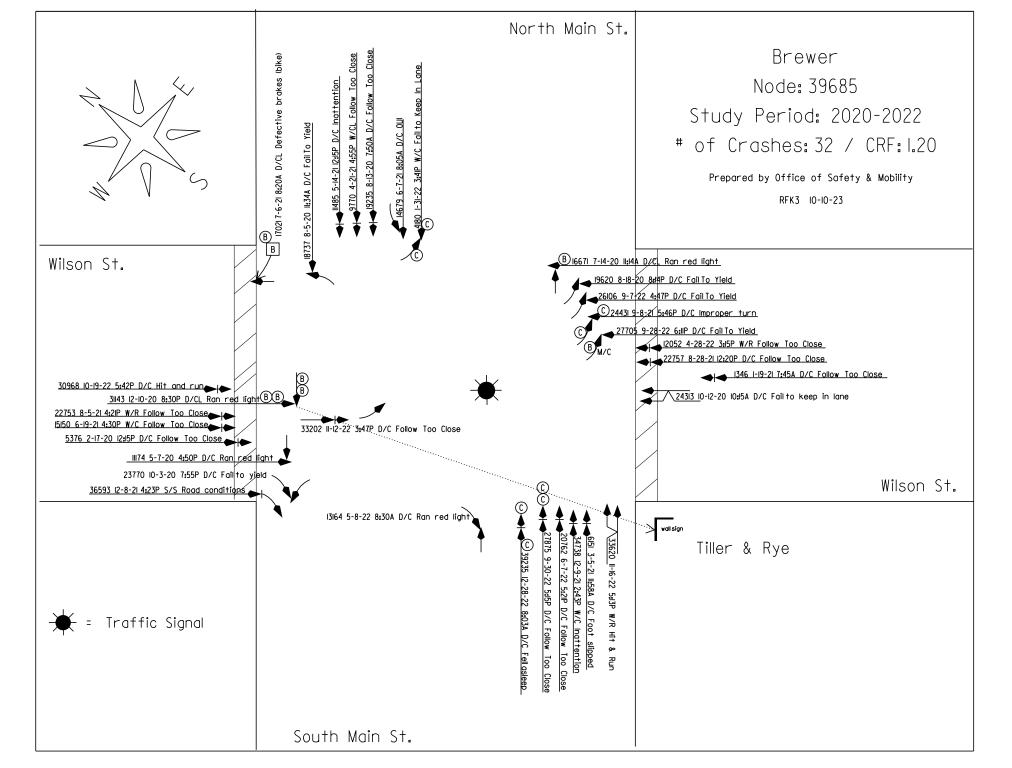
Crash Summary II - Characteristics

| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| leet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 16 |

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE

| COUNTY: | PENO | BSCOT | TOWN: | BREV | VER | | | |
|--------------|----------------|------------------|---------------|---------------|---------|-------|-------|----|
| LOW NODE: | 39685 | HIGH NODE: 000 | 0 REG | BION: | 4 | U/R: | URBA | N |
| DESCR | | Int of Wilson S | St & N Main S | St/S Ma | in St | | | |
| RTE # / RD # | 0001A | | N: 10/10/20 | 23 DRA | WN BY: | BOE | 3 K | |
| STUDY | FROM: | 1/1/2020 | STUDY - | TO: | 12/31/2 | 022 | | |
| CRASH RAT | E: 1.35 | CRF: 1.29 | % INJURY: | 25.0 | ΤΟΤΑ | L CRA | SHES: | 32 |







Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓ Crash Summary I - Single Node | Section Det | tail | Crash Summary II | 1320 Public | 1320 Private | ☐1320 Summary |
|------------------------------------|----------------|---------------|------------------|-------------|------------------|---------------|
| REPORT DESCRIPTION | | | | | | |
| Brewer | | | | | | |
| Int Wilson St & N Main St/S | Main St | | | | | |
| | | | | | | |
| | | | | | | |
| REPORT PARAMETERS | | | | | | |
| Year 2020, Start Month 1 thr | ough Year 2022 | End Month: 12 | | | | |
| Route: 0001A | Start Node: | 39685 | Start Offset: 0 | | Exclude First No | ode |
| | End Node: | 39685 | End Offset: 0 | | Exclude Last No | de |

Crash Summary I

| | | | | Nodes | | | | | | | | | | |
|----------|---------------|--------------------------------------|-----|---------|---|-------|--------|------|----|---------|--------------|--------------------------|-----------------|------|
| Node | Route - MP | Node Description | U/R | Total | | Injur | y Cras | shes | | Percent | Annual M | Crash Rate | Critical | CRF |
| | | | | Crashes | Κ | Α | В | С | PD | Injury | Ent-Veh | C ruch rule | Rate | •••• |
| 39685 | 0001A - 39.08 | Int of N MAIN ST S MAIN ST WILSON ST | 9 | 32 | 0 | 0 | 4 | 4 | 24 | 25.0 | 7.925 Sta | 1.35 tewide Crash Rat | 1.04 e: 0.64 | 1.29 |
| Study Ye | ears: 3.00 | NODE TOTA | LS: | 32 | 0 | 0 | 4 | 4 | 24 | 25.0 | 7.925 | 1.35 | 1.04 | 1.29 |

| | | | | | | | | | | Cr | ashes | s by D | ay an | d Ho | ur | | | | | | | | | | | |
|-------------|----|---|---|---|---|----|---|---|---|----|-------|--------|--------|------|----|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | ŀ | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| TUESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| SATURDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 3 | 3 | 0 | 1 | 3 | 6 | 5 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 32 |

| | | Vehicle Counts by T | уре |
|--------------------------------------------------|-------|---------------------|-------|
| Unit Type | Total | Unit Type | Total |
| 1-Passenger Car | 31 | 23-Bicyclist | 1 |
| 2-(Sport) Utility Vehicle | 24 | 24-Witness | 6 |
| 3-Passenger Van | 0 | 25-Other | 1 |
| 4-Cargo Van (10K lbs or Less) | 0 | 26-Construction | 0 |
| 5-Pickup | 6 | 27-Farm Vehicle | 0 |
| 6-Motor Home | 0 | 28-Horse and Buggy | 0 |
| 7-School Bus | 0 | Total | 70 |
| 8-Transit Bus | 0 | | |
| 9-Motor Coach | 0 | | |
| 10-Other Bus | 0 | | |
| 11-Motorcycle | 1 | | |
| 12-Moped | 0 | | |
| 13-Low Speed Vehicle | 0 | | |
| 14-Autocycle | 0 | | |
| 15-Experimental | 0 | | |
| 16-Other Light Trucks (10,000 lbs or Less) | 0 | | |
| 17-Medium/Heavy Trucks (More than 10,000 lbs) | 0 | | |
| 18-ATV - (4 wheel) | 0 | | |
| 20-ATV - (2 wheel) | 0 | | |
| 21-Snowmobile | 0 | | |
| 22-Pedestrian | 0 | | |

| Crashes by Driv | er Ac | tion at | Time | of Cra | sh | | |
|--------------------------------------------------------------------------------------------------------|-------|---------|------|--------|------|-------|-------|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| No Contributing Action | 5 | 30 | 0 | 0 | 0 | 0 | 35 |
| Ran Off Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Yield Right-of-Way | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| Ran Red Light | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drove Too Fast For Conditions | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Turn | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Passing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wrong Way | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Followed Too Closely | 10 | 0 | 0 | 0 | 0 | 0 | 10 |
| Failed to Keep in Proper Lane | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributing Action | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Unknown | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| Total | 31 | 31 | 0 | 0 | 0 | 0 | 62 |

| Crashes by Appare | nt Phy | sical C | onditi | on An | d Driv | /er | |
|-----------------------------------------------------|--------|---------|--------|-------|--------|-------|-------|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| Apparently Normal | 26 | 30 | 0 | 0 | 0 | 1 | 57 |
| Physically Impaired | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emotional(Depressed, Angry, Disturbed, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| III (Sick) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asleep or Fatigued | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Under the Influence of Medications/Drugs/Alcohol | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Other | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| Total | 31 | 31 | 0 | 0 | 0 | 1 | 63 |

| | | Drive | r Age by Uni | t Туре | | |
|----------|--------|---------|--------------|------------|-----|-------|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-19 | 6 | 0 | 0 | 0 | 0 | 6 |
| 20-24 | 10 | 0 | 0 | 0 | 0 | 10 |
| 25-29 | 6 | 0 | 0 | 0 | 0 | 6 |
| 30-39 | 10 | 0 | 0 | 0 | 0 | 10 |
| 40-49 | 9 | 0 | 0 | 0 | 0 | 9 |
| 50-59 | 11 | 0 | 0 | 0 | 0 | 11 |
| 60-69 | 5 | 0 | 0 | 0 | 0 | 5 |
| 70-79 | 2 | 0 | 0 | 0 | 0 | 2 |
| 80-Over | 2 | 0 | 0 | 0 | 0 | 2 |
| Unknown | 2 | 1 | 0 | 0 | 0 | 3 |
| Total | 63 | 1 | 0 | 0 | 0 | 64 |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|---------------------------------------------------------------------------------|-------|------------------------------------------------------|-------|
| 1-Overturn / Rollover | 1 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 2 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | Total | 62 |
| 6-Fell / Jumped from Motor Vehicle | 0 | - Chai | 02 |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 0 | | |
| 9-Pedestrian | 0 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 45 | | |
| 14-Parked Motor Vehicle | 0 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 14 | 1-Traffic Signals (Stop & Go) | 31 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 0 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 0 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 0 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 1 |
| 30-Other Traffic Barrier | 0 | 14-Other | 0 |
| 31-Tree (Standing) | 0 | | |
| 32-Utility Pole / Light Support | 0 | Total | 32 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| | Injury Data | |
|---------------|----------------|-----------------------|
| Severity Code | Injury Crashes | Number Of Injuries |
| К | 0 | 0 |
| А | 0 | 0 |
| В | 4 | 7 |
| С | 4 | 8 |
| PD | 24 | 0 |
| Total | 32 | 15 |

| | Road Character | |
|------------------|----------------|-------|
| | Road Grade | Total |
| 1-Level | | 32 |
| 2-On Grade | | 0 |
| 3-Top of Hill | | 0 |
| 4-Bottom of Hill | | 0 |
| 5-Other | | 0 |
| Total | | 32 |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 26 |
| 2-Dawn | 0 |
| 3-Dusk | 3 |
| 4-Dark - Lighted | 2 |
| 5-Dark - Not Lighted | 1 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 32 |

Crashes by Year and Month

| Month | 2020 | 2021 | 2022 |
|-----------|------|------|------|
| JANUARY | 0 | 1 | 1 |
| FEBRUARY | 1 | 0 | 0 |
| MARCH | 0 | 1 | 0 |
| APRIL | 0 | 1 | 1 |
| MAY | 1 | 1 | 1 |
| JUNE | 0 | 2 | 1 |
| JULY | 1 | 1 | 0 |
| AUGUST | 3 | 2 | 0 |
| SEPTEMBER | 0 | 1 | 3 |
| OCTOBER | 2 | 0 | 1 |
| NOVEMBER | 0 | 0 | 2 |
| DECEMBER | 1 | 2 | 1 |
| Total | 9 | 12 | 11 |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|---|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Pedestrians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 |
| Dusk | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Crash Summary II - Characteristics

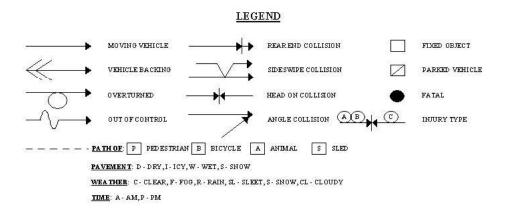
| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

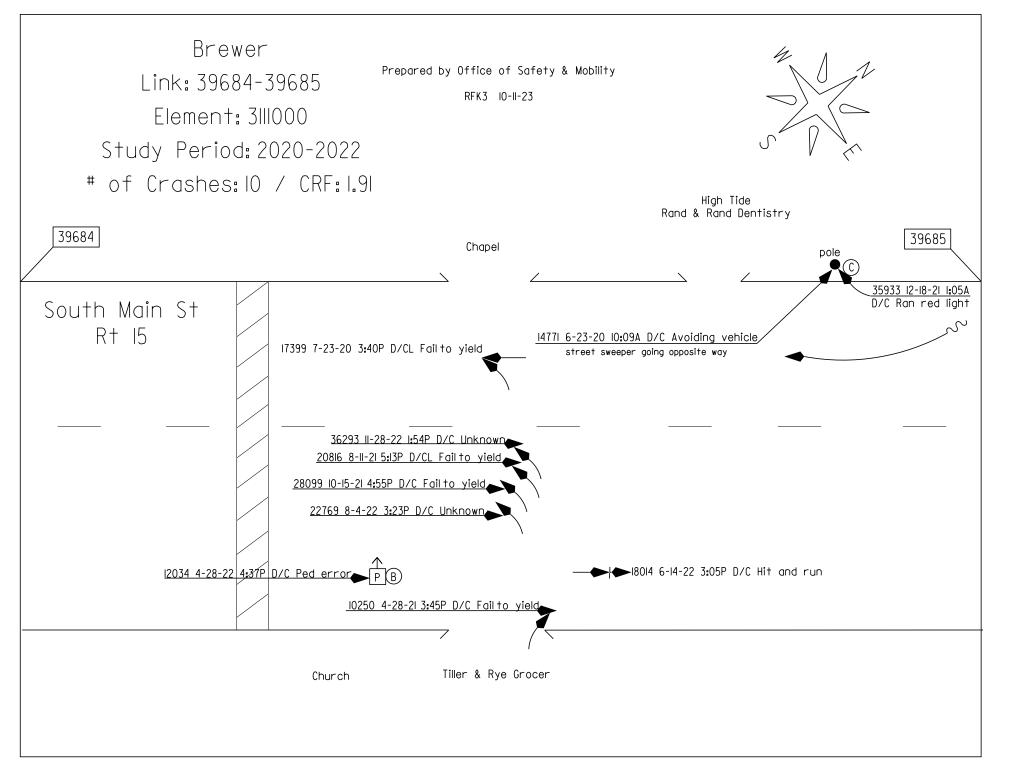
Crash Summary II - Characteristics

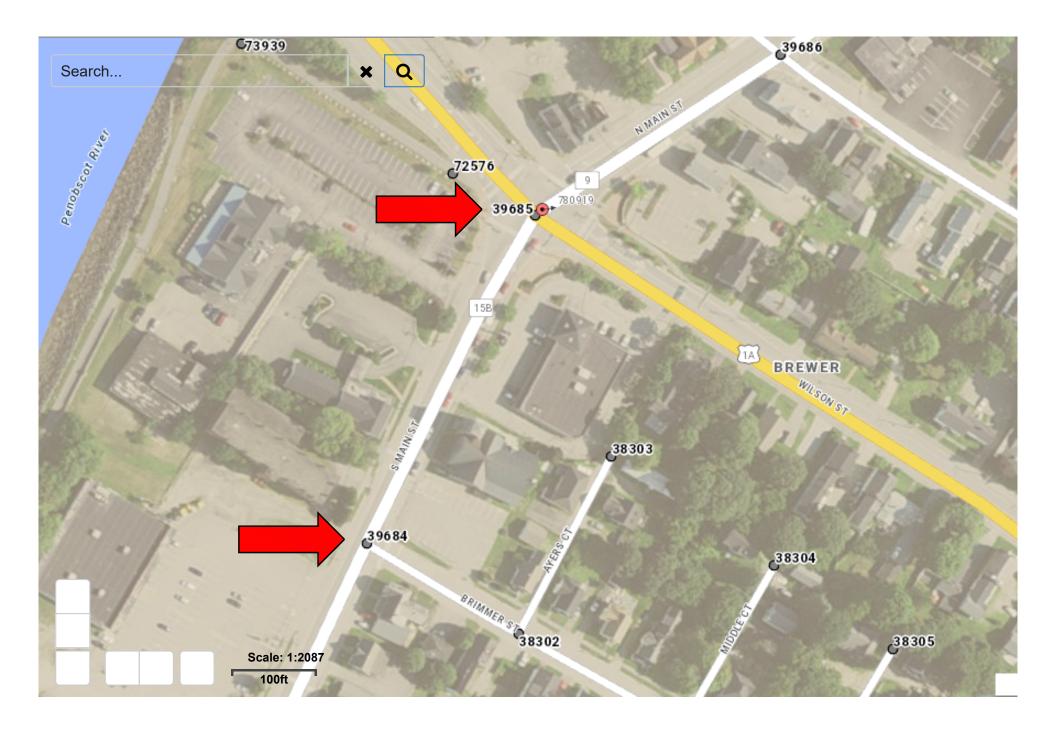
| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| leet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 32 |

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE

| COUNTY: | PENOE | BSCOT | TC | WN: | BREW | VER | | | |
|--------------|----------|------------|-----------|----------|------------|---------|------|-------|----|
| LOW NODE: | 39684 | HIGH NODE: | 39685 | REGI | ON: | 4 | U/R: | URBA | N |
| DESCR | IPTION: | S Main St | from Brin | nmer St | to Wil | son St | | | |
| RTE # / RD # | 0015B | DATE DR | AWN: 1 | 0/11/202 | 3DRA | WN BY: | BOE | 3 K | |
| STUDY | FROM: | 1/1/2020 | S | | O : | 12/31/2 | 022 | | |
| CRASH RAT | E: 916.9 | 8 CRF: 1.9 | 91 % IN | JURY: | 20 | TOTA | LCRA | SHES: | 10 |







Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓ Crash Summary I - Single Element | Section Detail | ✓Crash Summary II | 1320 Public | 1320 Private | 1320 Summary |
|---------------------------------------|---------------------------|-------------------|-------------|-----------------|--------------|
| REPORT DESCRIPTION Brewer | | | | | |
| S Main St from Brimmer St | to Wilson St | | | | |
| | | | | | |
| REPORT PARAMETERS | | | | | |
| Year 2020, Start Month 1 t | hrough Year 2022 End Mont | h: 12 | | | |
| Route: 0015B | Start Node: 39684 | Start Offset: 0 | | Exclude First N | ode |

End Offset: 0

Exclude Last Node

End Node: 39685

| Crash | Summary I |
|-------|-----------|
|-------|-----------|

| | | | | | | | Sect | ions | | | | | | | | | |
|----------------------|------|------------------------|-------------|----------------------------|---------|-----|---------|------|------|---------|-------|----|---------|---------|-----------------------------|------------------------|------|
| Start | End | Element | Offset | Route - MP | Section | U/R | Total | | Inju | iry Cra | ashes | ; | Percent | Annual | Crash Rate | Critical | CRF |
| Node | Node | | Begin - End | | Length | | Crashes | Κ | Α | В | С | PD | Injury | HMVM | | Rate | |
| 39684 Int of BRIM | | 5 3111000 S MAIN ST | 0 - 0.08 | 0015B - 0.64 ST RTE 15B | 0.08 | 2 | 10 | 0 | 0 | 1 | 1 | 8 | 20.0 | 0.00364 | 916.98 Statewide Crash F | 479.10 Rate: 187.33 | 1.91 |
| Study Ye | ars: | 3.00 | | Section Totals: | 0.08 | | 10 | 0 | 0 | 1 | 1 | 8 | 20.0 | 0.00364 | 916.98 | 479.10 | 1.91 |

| | | | | | | Sect | ion D | etails | | | | | | |
|-------|-------|---------|-------------|--------------|---------|------|-------|--------|---|----|--------------|------------|------------|--------|
| Start | End | Element | Offset | Route - MP | Total | | | ry Cra | | | Crash Report | Crash Date | Crash | Injury |
| lode | Node | | Begin - End | | Crashes | Κ | Α | В | С | PD | | | Mile Point | Degree |
| 39684 | 39685 | 3111000 | 0 - 0.08 | 0015B - 0.64 | 10 | 0 | 0 | 1 | 1 | 8 | 2022-12034 | 04/28/2022 | 0.67 | В |
| | | | | | | | | | | | 2021-28099 | 10/15/2021 | 0.68 | PD |
| | | | | | | | | | | | 2020-17399 | 07/23/2020 | 0.68 | PD |
| | | | | | | | | | | | 2021-10250 | 04/28/2021 | 0.68 | PD |
| | | | | | | | | | | | 2021-20816 | 08/11/2021 | 0.68 | PD |
| | | | | | | | | | | | 2022-36293 | 11/28/2022 | 0.68 | PD |
| | | | | | | | | | | | 2022-22769 | 08/04/2022 | 0.68 | PD |
| | | | | | | | | | | | 2022-18014 | 06/14/2022 | 0.69 | PD |
| | | | | | | | | | | | 2020-14771 | 06/23/2020 | 0.70 | PD |
| | | | | | | | | | | | 2021-35933 | 12/18/2021 | 0.71 | С |

Totals: 10 0 0 1 1 8

| | | | | | | | | | | Cr | ashes | by D | ay an | d Hou | ur | | | | | | | | | | | |
|-------------|----|---|---|---|---|----|---|---|---|----|-------|--------|--------|-------|----|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | F | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| TUESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| SATURDAY | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Totals | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |

| | | Vehicle Counts b | ру Туре |
|--------------------------------------------|-------|--------------------|---------|
| Unit Type | Total | Unit Type | Total |
| 1-Passenger Car | 5 | 23-Bicyclist | 0 |
| 2-(Sport) Utility Vehicle | 7 | 24-Witness | 1 |
| 3-Passenger Van | 0 | 25-Other | 1 |
| 4-Cargo Van (10K lbs or Less) | 0 | 26-Construction | 0 |
| 5-Pickup | 3 | 27-Farm Vehicle | 0 |
| 6-Motor Home | 0 | 28-Horse and Buggy | 0 |
| 7-School Bus | 0 | Total | 19 |
| 8-Transit Bus | 0 | | 15 |
| 9-Motor Coach | 0 | | |
| 10-Other Bus | 0 | | |
| 11-Motorcycle | 0 | | |
| 12-Moped | 0 | | |
| 13-Low Speed Vehicle | 0 | | |
| 14-Autocycle | 0 | | |
| 15-Experimental | 0 | | |
| 16-Other Light Trucks (10,000 lbs or Less) | 0 | | |
| 17-Medium/Heavy Trucks (More than 10,000 | 1 | | |
| lbs) | | | |
| 18-ATV - (4 wheel) | 0 | | |
| 20-ATV - (2 wheel) | 0 | | |
| 21-Snowmobile | 0 | | |
| 22-Pedestrian | 1 | | |

| Crashes by Driv | er Ac | tion at | Time | of Cra | sh | | |
|--------------------------------------------------------------------------------------------------------|-------|---------|------|--------|------|-------|-------|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| No Contributing Action | 2 | 6 | 0 | 0 | 0 | 0 | 8 |
| Ran Off Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Yield Right-of-Way | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| Ran Red Light | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drove Too Fast For Conditions | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Turn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Passing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wrong Way | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Followed Too Closely | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Keep in Proper Lane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributing Action | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 6 | 0 | 0 | 0 | 0 | 16 |

| Crashes by Appare | nt Phy | sical C | Conditi | on An | d Driv | er | |
|-----------------------------------------------------|--------|---------|---------|-------|--------|-------|-------|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| Apparently Normal | 9 | 6 | 0 | 0 | 0 | 1 | 16 |
| Physically Impaired | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emotional(Depressed, Angry, Disturbed, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| III (Sick) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asleep or Fatigued | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Under the Influence of Medications/Drugs/Alcohol | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 6 | 0 | 0 | 0 | 1 | 17 |

| | | Drive | r Age by Uni | it Type | | |
|----------|--------|---------|--------------|------------|-----|-------|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-19 | 2 | 0 | 0 | 0 | 0 | 2 |
| 20-24 | 2 | 0 | 0 | 0 | 0 | 2 |
| 25-29 | 1 | 0 | 0 | 0 | 0 | 1 |
| 30-39 | 5 | 0 | 0 | 0 | 0 | 5 |
| 40-49 | 2 | 0 | 0 | 0 | 0 | 2 |
| 50-59 | 2 | 0 | 0 | 0 | 0 | 2 |
| 60-69 | 1 | 0 | 0 | 0 | 0 | 1 |
| 70-79 | 1 | 0 | 0 | 0 | 0 | 1 |
| 80-Over | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 1 | 0 | 0 | 1 | 0 | 2 |
| Total | 17 | 0 | 0 | 1 | 0 | 18 |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|------------------------------------------------------------------------------------|-------|------------------------------------------------------|-----------|
| 1-Overturn / Rollover | 0 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 10ta 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 0 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | • • | |
| 6-Fell / Jumped from Motor Vehicle | 0 | Total | 16 |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 0 | | |
| 9-Pedestrian | 1 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 13 | | |
| 14-Parked Motor Vehicle | 0 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 0 | 1-Traffic Signals (Stop & Go) | 3 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 1 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 0 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 0 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 5 |
| 30-Other Traffic Barrier | 0 | 14-Other | 1 |
| 31-Tree (Standing) | 0 | | |
| 32-Utility Pole / Light Support | 2 | Total | 10 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| | Injury Data | |
|---------------|----------------|-----------------------|
| Severity Code | Injury Crashes | Number Of Injuries |
| К | 0 | 0 |
| А | 0 | 0 |
| В | 1 | 1 |
| С | 1 | 1 |
| PD | 8 | 0 |
| Total | 10 | 2 |

| | Road Character | |
|------------------|----------------|-------|
| | Road Grade | Total |
| 1-Level | | 10 |
| 2-On Grade | | 0 |
| 3-Top of Hill | | 0 |
| 4-Bottom of Hill | | 0 |
| 5-Other | | 0 |
| Total | | 10 |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 9 |
| 2-Dawn | 0 |
| 3-Dusk | 0 |
| 4-Dark - Lighted | 1 |
| 5-Dark - Not Lighted | 0 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 10 |

Crashes by Year and Month

| otal | 2 | 4 | 4 | |
|----------|------|------|------|--|
| CEMBER | 0 | 1 | 0 | |
| VEMBER | 0 | 0 | 1 | |
| CTOBER | 0 | 1 | 0 | |
| EPTEMBER | 0 | 0 | 0 | |
| UGUST | 0 | 1 | 1 | |
| JLY | 1 | 0 | 0 | |
| INE | 1 | 0 | 1 | |
| ΑY | 0 | 0 | 0 | |
| RIL | 0 | 1 | 1 | |
| ARCH | 0 | 0 | 0 | |
| BRUARY | 0 | 0 | 0 | |
| NUARY | 0 | 0 | 0 | |
| Month | 2020 | 2021 | 2022 | |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|---|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Pedestrians | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Crash Summary II - Characteristics

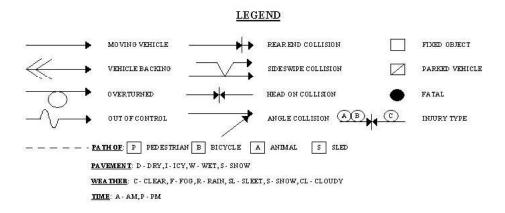
| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

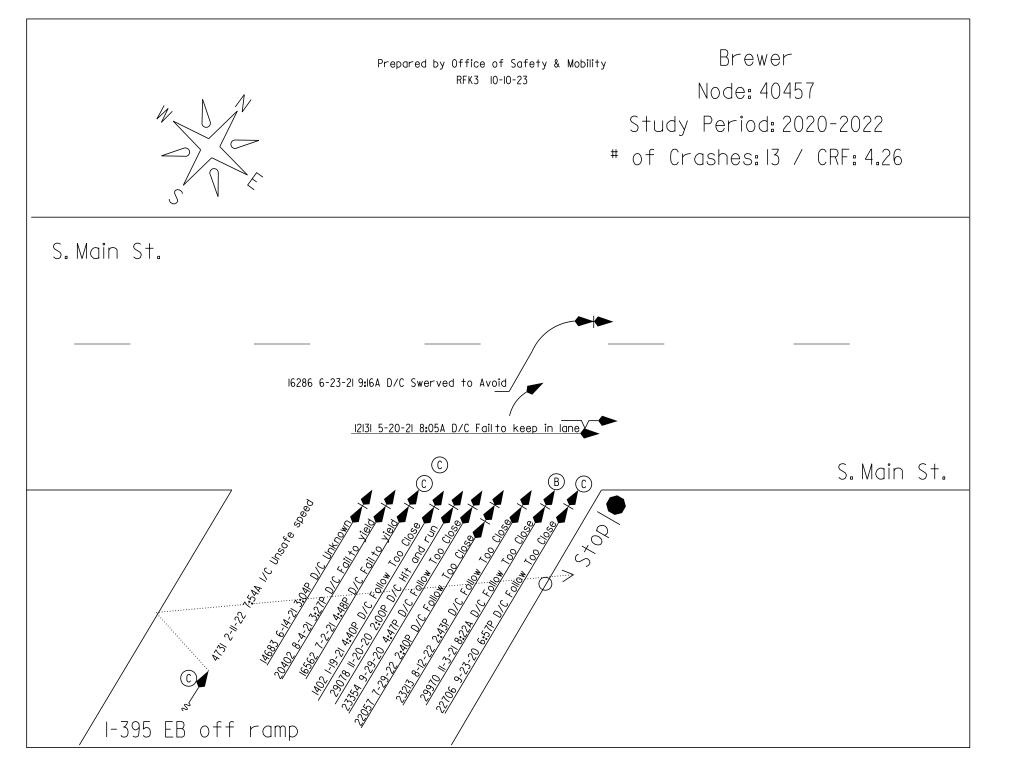
Crash Summary II - Characteristics

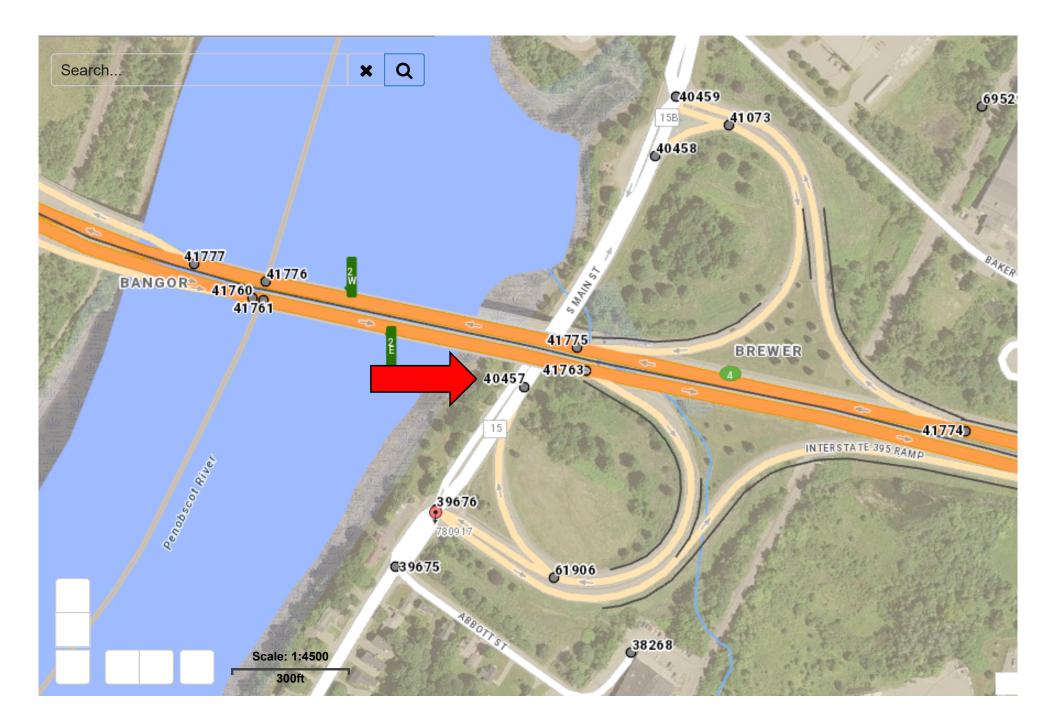
| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| leet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |

H. C. L. CRASH COLLISION DIAGRAM DATA PACKAGE

| COUNTY: | PENO | BSCOT | TOWN: | BREW | VER | | | |
|--------------|----------------|------------------|--------------------|---------------|---------|------|-------|----|
| LOW NODE: | 40457 | HIGH NODE: 000 |)0 REG | ION: | 4 | U/R: | URBA | N |
| DESCR | | Int of 395EB o | offramp to Ma | ain St a | nd Main | St | | |
| RTE # / RD # | 0015X | DATE DRAW | N: 10/10/20 | 23 DRA | WN BY: | BOE | 3 K | |
| STUDY | FROM: | 1/1/2020 | STUDY | ГО: | 12/31/2 | 022 | | |
| CRASH RAT | E: 1.31 | CRF: 4.26 | % INJURY: | 30.8 | TOTA | LCRA | SHES: | 13 |







Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

| ✓ Crash Summary I - Single Node | Section De | tail | Crash Summary II | 1320 Public | 1320 Private | 1320 Summary |
|---------------------------------------------------|----------------|---------------|------------------|-------------|------------------|--------------|
| REPORT DESCRIPTION | | | | | | |
| Brewer | | | | | | |
| Int I-395 EB off to Main St 8 | Main St | | | | | |
| | | | | | | |
| | | | | | | |
| REPORT PARAMETERS Year 2020, Start Month 1 thr | ough Year 2022 | End Month: 12 | | | | |
| Route: 0015X | Start Node: | 40457 | Start Offset: 0 | | Exclude First No | ode |
| | End Node: | | End Offset: 0 | | Exclude Last No | |

Crash Summary I

| | | | | Nodes | | | | | | | | | | |
|---------|--------------------|---------------------------------|-------|---------|---|-------|-------|------|----|---------|--------------|--------------------------|------------------|------|
| Node | Route - MP | Node Description | U/R | Total | | Injur | y Cra | shes | | Percent | Annual M | Crash Rate | Critical | CRF |
| | | | | Crashes | Κ | Α | В | С | PD | Injury | Ent-Veh | oradin Nate | Rate | UNI |
| 40457 | 0015X - 58.04 | Int of RD INV 3201090 S MAIN ST | 2 | 13 | 0 | 0 | 1 | 3 | 9 | 30.8 | 3.296 Sta | 1.31 tewide Crash Rat | 0.31 te: 0.10 | 4.26 |
| Study \ | /ears: 3.00 | NODE TO | TALS: | 13 | 0 | 0 | 1 | 3 | 9 | 30.8 | 3.296 | 1.31 | 0.31 | 4.26 |

| | | | | | | | | | | Cr | ashes | by D | ay an | d Ho | ur | | | | | | | | | | | |
|-------------|----|---|---|---|---|----|---|---|---|----|-------|--------|--------|------|----|---|---|---|----|---|---|---|----|----|----|-----|
| | | | | | | AM | | | | | ŀ | lour c | of Day | | | | | | PM | | | | | | | |
| Day Of Week | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Un | Tot |
| SUNDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MONDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| TUESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| WEDNESDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| THURSDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| FRIDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| SATURDAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |

| | | Vehicle Counts by | Туре |
|-----------------------------------------------|-------|--------------------|-------|
| Unit Type | Total | Unit Type | Total |
| 1-Passenger Car | 8 | 23-Bicyclist | 0 |
| 2-(Sport) Utility Vehicle | 7 | 24-Witness | 1 |
| 3-Passenger Van | 1 | 25-Other | 1 |
| 4-Cargo Van (10K lbs or Less) | 0 | 26-Construction | 0 |
| 5-Pickup | 7 | 27-Farm Vehicle | 0 |
| 6-Motor Home | 0 | 28-Horse and Buggy | 0 |
| 7-School Bus | 0 | Total | 27 |
| 8-Transit Bus | 0 | | |
| 9-Motor Coach | 0 | | |
| 10-Other Bus | 0 | | |
| 11-Motorcycle | 1 | | |
| 12-Moped | 0 | | |
| 13-Low Speed Vehicle | 0 | | |
| 14-Autocycle | 0 | | |
| 15-Experimental | 0 | | |
| 16-Other Light Trucks (10,000 lbs or Less) | 0 | | |
| 17-Medium/Heavy Trucks (More than 10,000 lbs) | 1 | | |
| 18-ATV - (4 wheel) | 0 | | |
| 20-ATV - (2 wheel) | 0 | | |
| 21-Snowmobile | 0 | | |
| 22-Pedestrian | 0 | | |

| Crashes by Driv | er Ac | tion at | Time | of Cra | sh | | |
|--------------------------------------------------------------------------------------------------------|-------|---------|------|--------|------|-------|-------|
| Driver Action at Time of Crash | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total |
| No Contributing Action | 2 | 10 | 1 | 0 | 0 | 0 | 13 |
| Ran Off Roadway | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Failed to Yield Right-of-Way | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| Ran Red Light | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ran Stop Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Traffic Sign | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Disregarded Other Road Markings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exceeded Posted Speed Limit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drove Too Fast For Conditions | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Improper Turn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Backing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Improper Passing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wrong Way | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Followed Too Closely | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| Failed to Keep in Proper Lane | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Operated Motor Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Swerved or Avoided Due to Wind, Slippery Surface, Motor Vehicle, Object, Non-Motorist in Roadway | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Over-Correcting/Over-Steering | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Contributing Action | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 11 | 1 | 0 | 0 | 0 | 25 |

| Crashes by Appare | Crashes by Apparent Physical Condition And Driver | | | | | | | | |
|-----------------------------------------------------|---------------------------------------------------|------|------|------|------|-------|-------|--|--|
| Apparent Physical Condition | Dr 1 | Dr 2 | Dr 3 | Dr 4 | Dr 5 | Other | Total | | |
| Apparently Normal | 13 | 11 | 1 | 0 | 0 | 0 | 25 | | |
| Physically Impaired | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Emotional(Depressed, Angry, Disturbed, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| III (Sick) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Asleep or Fatigued | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Under the Influence of Medications/Drugs/Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Total | 13 | 11 | 1 | 0 | 0 | 0 | 25 | | |

| Driver Age by Unit Type | | | | | | | | | |
|-------------------------|--------|---------|------------|------------|-----|-------|--|--|--|
| Age | Driver | Bicycle | SnowMobile | Pedestrian | ATV | Total | | | |
| 09-Under | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 10-14 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 15-19 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 20-24 | 3 | 0 | 0 | 0 | 0 | 3 | | | |
| 25-29 | 1 | 0 | 0 | 0 | 0 | 1 | | | |
| 30-39 | 2 | 0 | 0 | 0 | 0 | 2 | | | |
| 40-49 | 4 | 0 | 0 | 0 | 0 | 4 | | | |
| 50-59 | 10 | 0 | 0 | 0 | 0 | 10 | | | |
| 60-69 | 5 | 0 | 0 | 0 | 0 | 5 | | | |
| 70-79 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 80-Over | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Unknown | 1 | 0 | 0 | 0 | 0 | 1 | | | |
| Total | 26 | 0 | 0 | 0 | 0 | 26 | | | |

| Most Harmful Event | Total | Most Harmful Event | Tota |
|---------------------------------------------------------------------------------|-------|------------------------------------------------------|-------|
| 1-Overturn / Rollover | 1 | 38-Other Fixed Object (wall, building, tunnel, etc.) | 0 |
| 2-Fire / Explosion | 0 | 39-Unknown | 0 |
| 3-Immersion | 0 | 40-Gate or Cable | 0 |
| 4-Jackknife | 0 | 41-Pressure Ridge | 0 |
| 5-Cargo / Equipment Loss Or Shift | 0 | Total | 25 |
| 6-Fell / Jumped from Motor Vehicle | 0 | | 25 |
| 7-Thrown or Falling Object | 0 | | |
| 8-Other Non-Collision | 0 | | |
| 9-Pedestrian | 0 | | |
| 10-Pedalcycle | 0 | | |
| 11-Railway Vehicle - Train, Engine | 0 | | |
| 12-Animal | 0 | | |
| 13-Motor Vehicle in Transport | 24 | | |
| 14-Parked Motor Vehicle | 0 | | |
| 15-Struck by Falling, Shifting Cargo or Anything Set in Motion by Motor Vehicle | 0 | Traffic Control Devices | |
| 16-Work Zone / Maintenance Equipment | 0 | Traffic Control Device | Total |
| 17-Other Non-Fixed Object | 0 | 1-Traffic Signals (Stop & Go) | 0 |
| 18-Impact Attenuator / Crash Cushion | 0 | 2-Traffic Signals (Flashing) | 0 |
| 19-Bridge Overhead Structure | 0 | 3-Advisory/Warning Sign | 0 |
| 20-Bridge Pier or Support | 0 | 4-Stop Signs - All Approaches | 0 |
| 21-Bridge Rail | 0 | 5-Stop Signs - Other | 0 |
| 22-Cable Barrier | 0 | 6-Yield Sign | 10 |
| 23-Culvert | 0 | 7-Curve Warning Sign | 0 |
| 24-Curb | 0 | 8-Officer, Flagman, School Patrol | 0 |
| 25-Ditch | 0 | 9-School Bus Stop Arm | 0 |
| 26-Embankment | 0 | 10-School Zone Sign | 0 |
| 27-Guardrail Face | 0 | 11-R.R. Crossing Device | 0 |
| 28-Guardrail End | 0 | 12-No Passing Zone | 0 |
| 29-Concrete Traffic Barrier | 0 | 13-None | 3 |
| 30-Other Traffic Barrier | 0 | 14-Other | 0 |
| 31-Tree (Standing) | 0 | | - |
| 32-Utility Pole / Light Support | 0 | Total | 13 |
| 33-Traffic Sign Support | 0 | | |
| 34-Traffic Signal Support | 0 | | |
| 35-Fence | 0 | | |
| 36-Mailbox | 0 | | |
| 37-Other Post, Pole, or Support | 0 | | |

| | Injury Data | |
|---------------|----------------|-----------------------|
| Severity Code | Injury Crashes | Number Of Injuries |
| К | 0 | 0 |
| А | 0 | 0 |
| В | 1 | 1 |
| С | 3 | 4 |
| PD | 9 | 0 |
| Total | 13 | 5 |

| | Road Character | |
|------------------|----------------|-------|
| | Road Grade | Total |
| 1-Level | | 9 |
| 2-On Grade | | 3 |
| 3-Top of Hill | | 0 |
| 4-Bottom of Hill | | 1 |
| 5-Other | | 0 |
| Total | | 13 |

| Light | |
|---------------------------|-------|
| Light Condition | Total |
| 1-Daylight | 11 |
| 2-Dawn | 0 |
| 3-Dusk | 0 |
| 4-Dark - Lighted | 2 |
| 5-Dark - Not Lighted | 0 |
| 6-Dark - Unknown Lighting | 0 |
| 7-Unknown | 0 |
| Total | 13 |

Crashes by Year and Month

| al | 3 | 7 | 3 | |
|---------|------|------|------|--|
| EMBER | 0 | 0 | 0 | |
| /EMBER | 1 | 1 | 0 | |
| TOBER | 0 | 0 | 0 | |
| PTEMBER | 2 | 0 | 0 | |
| JGUST | 0 | 1 | 1 | |
| JLY | 0 | 1 | 1 | |
| NE | 0 | 2 | 0 | |
| ΥY | 0 | 1 | 0 | |
| RIL | 0 | 0 | 0 | |
| ARCH | 0 | 0 | 0 | |
| BRUARY | 0 | 0 | 1 | |
| NUARY | 0 | 1 | 0 | |
| Month | 2020 | 2021 | 2022 | |

Report is limited to the last 10 years of data.

Crash Summary II - Characteristics

Crashes by Crash Type and Type of Location

| Crash Type | Straight Road | Curved Road | | Four Leg Intersection | Five or More Leg Intersection | Driveways | Bridges | Interchanges | Other | Parking Lot | Private Way | Cross Over | Railroad Crossing | Traffic Circle- Roundabout | Total |
|--------------------------|------------------|----------------|----|--------------------------|-------------------------------------|-----------|---------|--------------|-------|-------------|-------------|------------|----------------------|----------------------------------|-------|
| Object in Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rear End - Sideswipe | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Head-on - Sideswipe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intersection Movement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pedestrians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Train | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Went Off Road | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| All Other Animal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicycle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jackknife | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rollover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Submersion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thrown or Falling Object | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bear | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moose | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|--------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Blowing Sand, Soil, Dirt | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blowing Snow | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clear | | | | | | | | | | | | |
| Dark - Lighted | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cloudy | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Crash Summary II - Characteristics

| Weather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|-------------------------|-----|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Fog, Smog, Smoke | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rain | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Severe Crosswinds | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Maine Department Of Transportation - Office of Safety, Crash Records Section

Crash Summary II - Characteristics

Crashes by Weather, Light Condition and Road Surface

| Veather Light | Dry | Ice/Frost | Mud, Dirt, Gravel | Oil | Other | Sand | Slush | Snow | Unknown | Water (Standing, Moving) | Wet | Total |
|---------------------------------|---------|-----------|----------------------|-----|-------|------|-------|------|---------|--------------------------------|-----|-------|
| Bleet, Hail (Freezing Rain or D | rizzle) | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| now | | | | | | | | | | | | |
| Dark - Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Not Lighted | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dark - Unknown Lighting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daylight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dusk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DTAL | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |

APPENDIX D ROAD SAFETY AUDIT PRESENTATION AND FIELD VISIT NOTES

BREWER VILLAGE PARTNERSHIP INITIATIVE & SOUTH MAIN STREET STUDY

A tribute to the Armed Forces who have defended the United States of America

The Garden Club Federation of Maine IN COOPERATION WITH The Maine State Highway Commission Brewer Garden and Bird Club

ROAD SAFETY AUDIT

Joseph L. Ferris Community Center, Brewer, ME May 23, 2024

-







Brewer VPI & South Main Street Road Safety Audit

Agenda



- Study Team Introductions and Agenda
- Introductions to Road Safety Audits
- Initial Data Presentation
- Highlighting Audit Locations
 - Including Local/Regional Perspectives and Discussion
- Field Visit
- Recap Observations (Pros and Cons, Things to Keep, Things to Change/Add)
- Next Steps and Schedule of Projects

STANTEC MOMENT HSSE: Safety

What is Situational Awareness?



SaferTogether[™]

Situational Awareness involves being aware of what is happening around you to understand how information, events, and your own actions will impact your goals and objectives.

Ask questions about your work environment and consider the consequences:

- **1.** LOOK What is happening?
- 2. **THINK** What will happen next and how will it affect me?
- **3. ACT** Identify a hazard and do something about it.

Remember to communicate with your team and others involved.

What is a Road Safety Audit?



BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT

Per Federal Highway Administration (FHWA):

"The formal safety performance examination of an existing or future road or intersection by an independent, multidisciplinary team. It qualitatively estimates and reports on potential road safety issues and identifies opportunities for improvements in safety for all road users."

Holistic review by all stakeholders (local and regional) with expertise to assist but work with the team.

No "putting the cart before the horse" until fully discussed and reviewed.





The Costs of Crashes

AAA

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT

| ASHES | AMOUNT OF LOSS | INJURY (A) Crashes | AMOUNT OF LOSS | INJURY (B) Crashes | ANUUN I OF LOSS | CRASHES | AINOUNT OF LOSS | ONLY CRASHES | ANUUNT OF LOSS | ANNUAL Cost | |
|-------|-------------------|-----------------------|-------------------|-----------------------|--------------------|---------|--------------------|-----------------|-------------------|----------------|--|
| 127 | \$1,282,446,000 | 593 | \$347,260,800 | 1977 | \$350,917,500 | 5430 | \$609,789,000 | 27105 | \$287,313,000 | \$2,877,726,3 | |

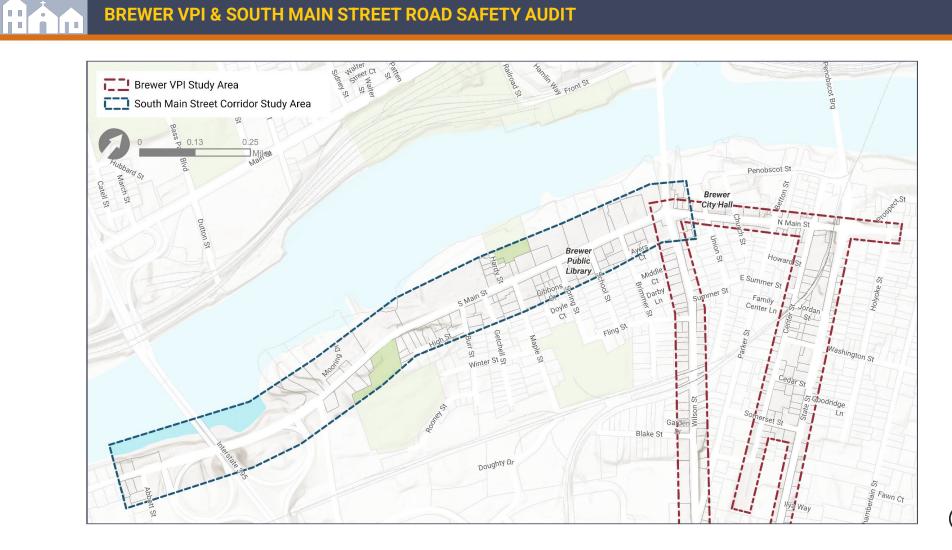
| way Administration estimates. |
|-------------------------------|
| \$10,098,000 |
| \$585,600 |
| \$177,500 |
| \$112,300 |
| \$10,600 |
| |

K A B C PD



Study Areas

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT





Study Areas

Submit Query

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT

| MaineDOT | Maine Public Crash Query Tool | | | | | | |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|----------|----------------------------|---------------|-------------------|-------------------|--------------------|
| Home Statistics Maps High Crash Locations | PORTANT: User Notes | | | | | | Advanced User Logi |
| Set Search Criteria 7 | Year: 2021 To 2023 City or Town: Brewer - Intersections | | | | | | Export Data Print |
| Now that you have created a query and viewed the results, simply modify the search | | Location | | Total Crashes | Percent Injury | Fatalities (FARS) | Injuries |
| criteria to create a new set of high crash locations. | Int of N MAIN ST S MAIN ST WILSON ST | | | 33 | 21.2 | O | |
| Step 1: Select a location (i.e. state-wide, | Int of N MAIN ST STATE ST | | | 31 | 19,4 | 0 | |
| city/town, county OR a police dept.) O State-Wide O City/Town | Int of RD INV 3201090 S MAIN ST | | | 12 | 25.0 | 0 | |
| O County O Police Dept. O MPO | | | | | | | |
| Brewer × | | | | | | | |
| | | | | | | | |
| Step 2: Select year. | | | High Crash Location | s (HCLs | s): " A Hi | ah Cras | h Loc |
| Step 3: Select intersections or sections. | | | is a location that has | • | * | • | |
| Step 4: Submit Query. Press the button below to submit your query and view results. | | | Critical Pata Factor (| | | | |

High Crash Locations (HCLs): "A High Crash Location (HCL) is a location that has had eight or more traffic crashes and a Critical Rate Factor (CRF) greater than 1.00 in a three-year period. A highway location with a CRF greater than 1.00 has a frequency of crashes that is greater than the statewide average for similar locations... to determine the "expected crash rate" as compared to similar intersections in the State of Maine..."

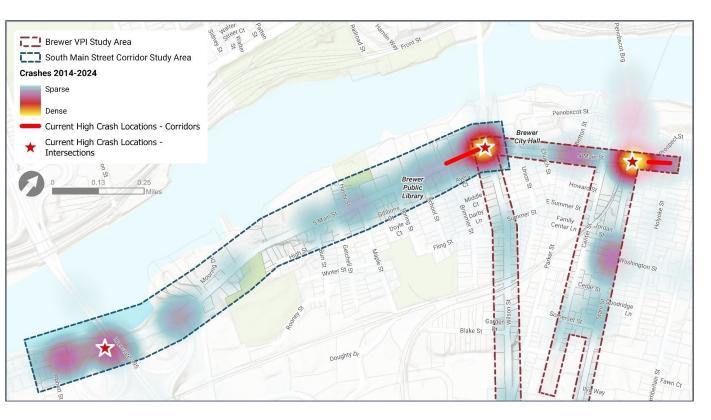
Stantec

- Androscoggin Transportation Resource Center

Study Areas

AAA

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT



High Crash Locations in Study Areas (2020 – 2023):

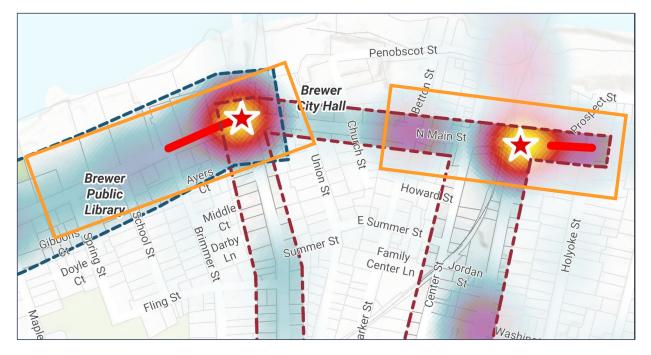
- North Main Street / South Main Street at Wilson Street
- North Main Street at State Street
- North Main Street between State Street and Holyoke Street
- South Main Street between Wilson Street and Brimmer Street
- South Main Street at I-395 Exit 4 Interchange

Heat Map is most recent 10 years of data (2014-2023)

Stantec

Study Areas – Focus of RSA

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT



Morning Field Visit Area

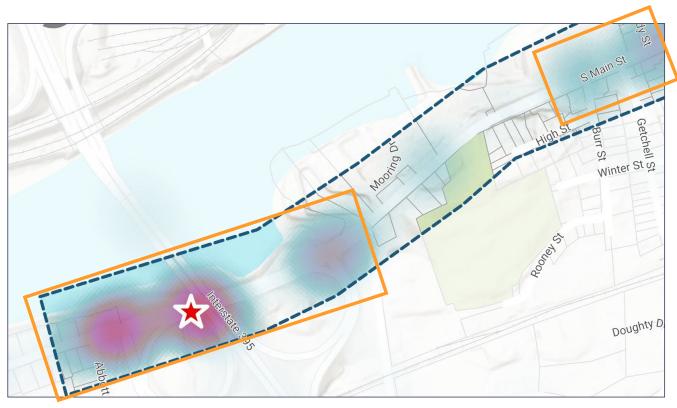
- North Main Street at State Street
- North Main Street between State
 Street and Holyoke Street
- North Main Street at Center Street
- North Main Street and Benton
 Street / Parker Street

Afternoon Field Visit Area

- Main Street at Wilson Street
- South Main Street at Brimmer
 Street

Study Areas – Focus of RSA

BREWER VPI & SOUTH MAIN STREET ROAD SAFETY AUDIT

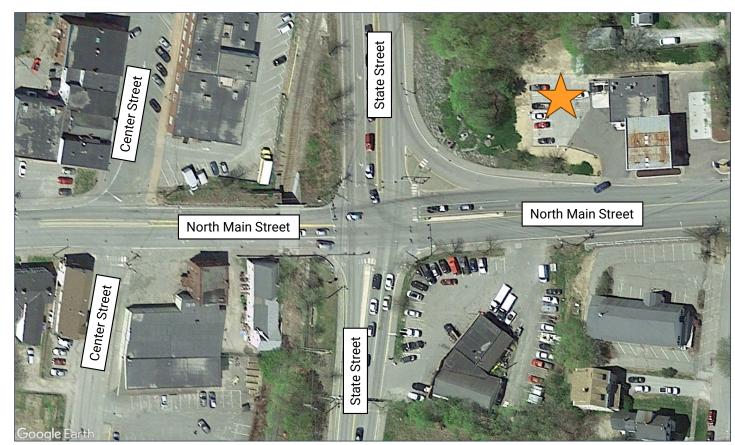


Afternoon Field Visit Area (cont.)

- South Main Street at Maple
 Street /Hardy Street / Gretchell
 Street / Burr Street (Segment)
- South Main Street, from Industrial
 Park to Abbott Street (incl. I-395
 Exit 4 Interchange)

Study Area – North Main Street at State Street





Crash Summary (2019 - 2023):

- ➢ 55 total crashes
 - > 13.75 crashes per year
- ➢ 9 injury Crashes
 - ➤ 16.4 percent



Study Area – North Main Street at State Street

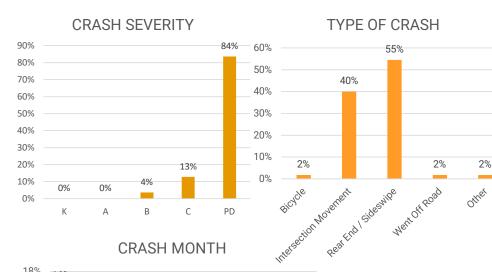
2%

15%

11%

9%

Sunday



18%

16%

14%

12%

10%

8%

6%

4%

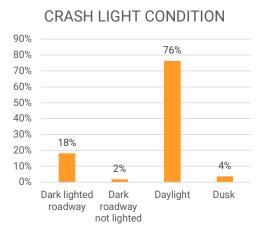
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0%

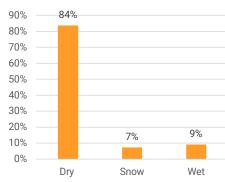
January

16%

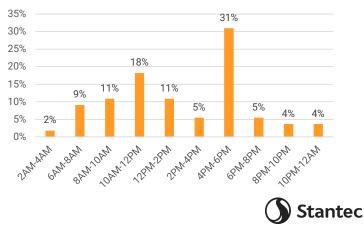
4%



CRASH ROAD SURFACE

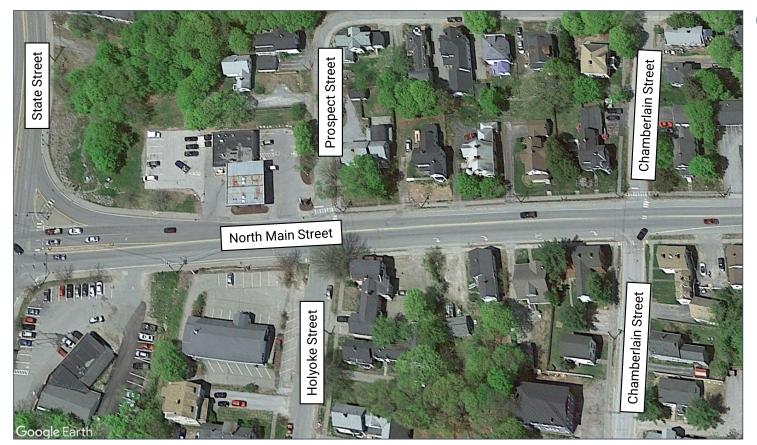


CRASH TIME OF DAY





Study Area – North Main Street from State Street to Chamberlain Street

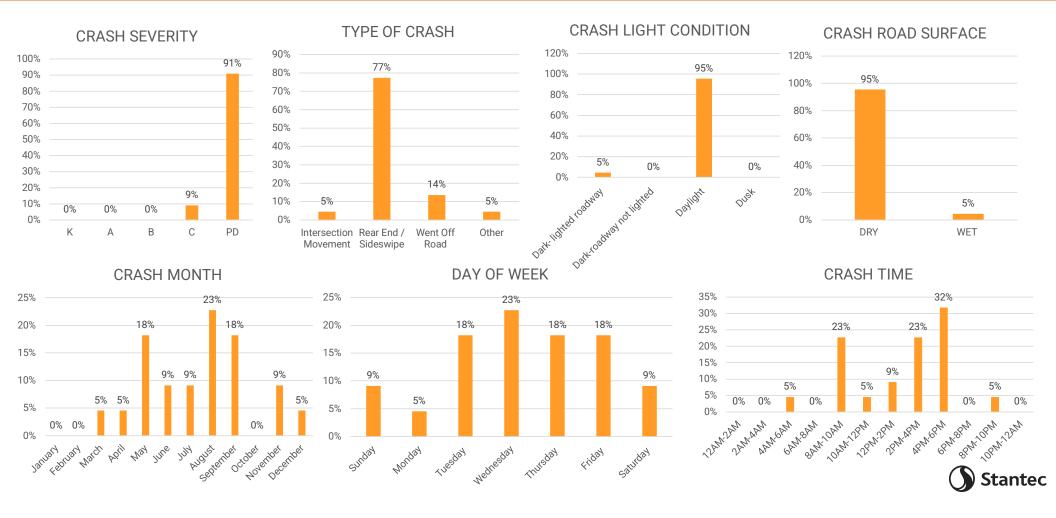


Crash Summary (2019 – 2023):

- > 22 total crashes
 - > 5.5 crashes per year
- > 2 injury crashes
 - > 9 percent



Study Area – North Main Street from State Street to Chamberlain Street



Study Area – North Main Street from State Street to Betton / Parker Street



Crash Summary (2019 – 2023):

- > 44 total crashes
 - > 11 crashes per year
- > 8 injury crashes
 - > 18 percent
 - All eight noted at the intersection of North Main Street and Betton Street / Parker Street



Study Area – North Main Street from State Street to Betton / Parker Street A

48%

Rear End /

90%

80%

70%

60%

50%

40%

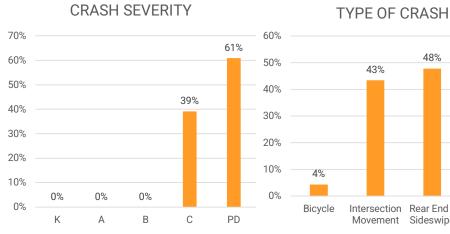
30%

20%

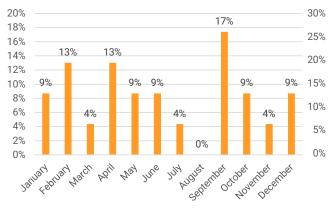
10%

4%

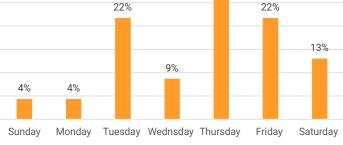
Went Off

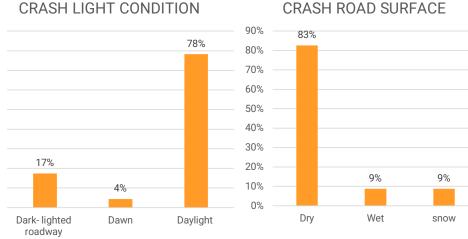




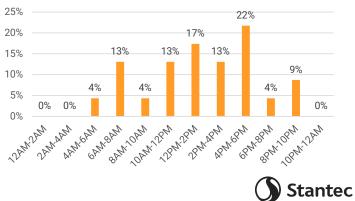


0% Sideswipe Road Movement DAY OF WEEK 26%









Field Visit for Audit

Prompt Sheets Available

Things to consider - GORE

- Geometric attributes and condition of roadway
- Operations Traffic movements,
 signs, pavement markings, lighting
- Road Users All possible users and their needs
- Environment effect of weather, vegetation and flooding



Field Visit for Audit

Stay Together as a Group

Promote Group Discussion

Safety First

- Wear a safety vest
- Be careful of traffic, roadside ditches, culverts, manholes and vegetation
- Do not block vehicle sight lines
- > Be aware of your surroundings
- Try not to distract



Countermeasure Tools and Guidance



https://highways.dot.gov/safety/proven-safetycountermeasures/search

The Crash Modification Factors Clearinghouse provides a searchable database of CMFs along with guidance and resources on using CMFs in road safety practice. ENTER SEARCH TERMS... SEARCH ntermeasure Name FREQUENT SEARCHES: ROUNDABOUT | SIGNAL | PEDESTRIAN | COMPLETE STREETS | TSMO | BROWSE ALL WHAT ARE CMFs? **GETTING STARTED UPDATED RATINGS** A crash modification factor (CMF) is used to Learn more about how to use this site in our User The CMF Clearinghouse transitioned to the CMF compute the expected number of crashes after Guide section. rating criteria developed as part of the NCHRP implementing a countermeasure on a road or 17-72 project for the 2nd edition of the Highway intersection. Safety Manual on February 15, 2021. USER GUIDE LEARN MORE LEARN MORE RECEIVE THE QUARTERLY EMAIL NEWSLETTER EMAIL ADDRESS **FIRST NAME** LAST NAME ORGANIZATION SIGN UP

ABOUT THE CLEARINGHOUSE USING CMFs DEVELOPING CMFs ADDITIONAL RESOURCES

https://www.cmfcleari nghouse.org/index.php

CRASH MODIFICATION FACTORS CLEARINGHOUSE

MF



Field Visit Recap – North Main Street at State Street

Pros

- Dot/Brewer have implemented ped improvements using signs and signal equipment. No Right Turn on Red
- Adaptive Signals This Month
- City Wayfinding Signs
- Pedestrian Crossings across available legs
- Restricted Left-Turns Based sightlines

Cons

- Drainage Crossing Locations
- ADA Sidewalk grades / condition of sidewalk
- Geometry Grades for all
 approaching legs
- Lighting
- Uneven queuing for State Street EB
 Left Turns
- Uneven use of North Main Street NB
 Through and Through-Right

Stantec

Study Area – North Main Street from State Street to Chamberlain Street

Pros

- Pedestrian Crossings heavily preferred/used
- Ped Signs
- Pavement to work with
- Freight Plan in 2 Years

- Ped Signs need to be per MUTCD dimensions
- Pedestrian Scale Lighting / Character Lighting
- Needs Gateway
- Freight Plan from early 2000s
- Proximity of crosswalk and gas station entrance



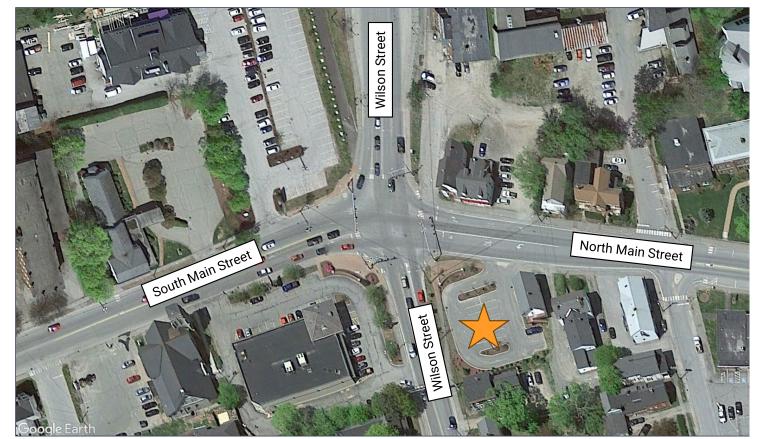
Pros

- Center Median
- Right-Turn Only from Side Streets
- Realigned Betton Street
- Cross-Section allows for some modifications
- Parker Street Ped Improvements underway/planned
- Historic District
- Wayfinding

- U-Turns through median break
- Width of mouth of Center Street
- Lighting
- No Ped/Bike Crossing, however people cross anyway/jaywalk
- Median signs and other ways to delineate median
- Grades!!!
- Evaluate Center Street and Parker Street improving ped/bike circulation and connection to Riverwalk
- Wayfinding
- Ped Signs need to be per MUTCD dimensions



Study Area – North Main Street / South Main Street at Wilson Street



Crash Summary (2019 – 2023):

- ➢ 53 total crashes
 - > 13.25 crashes per year
- 11 injury Crashes
 - ➢ 21 percent



Study Area – North Main Street / South Main Street at **Wilson Street**

23%

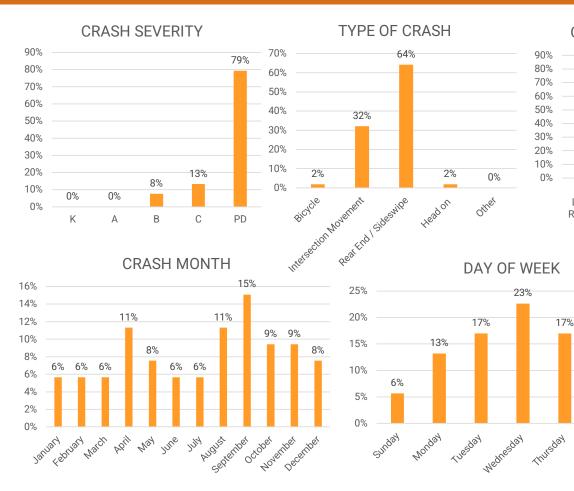
17%

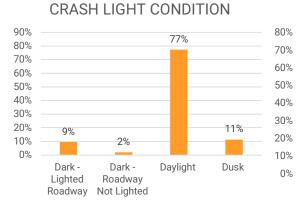
13%

Filday

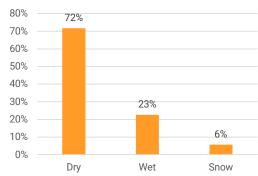
11%

Saturday

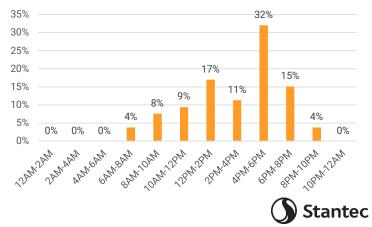




CRASH ROAD SURFACE



CRASH TIME



Study Area – South Main Street from Wilson Street to Brimmer Street and School Street

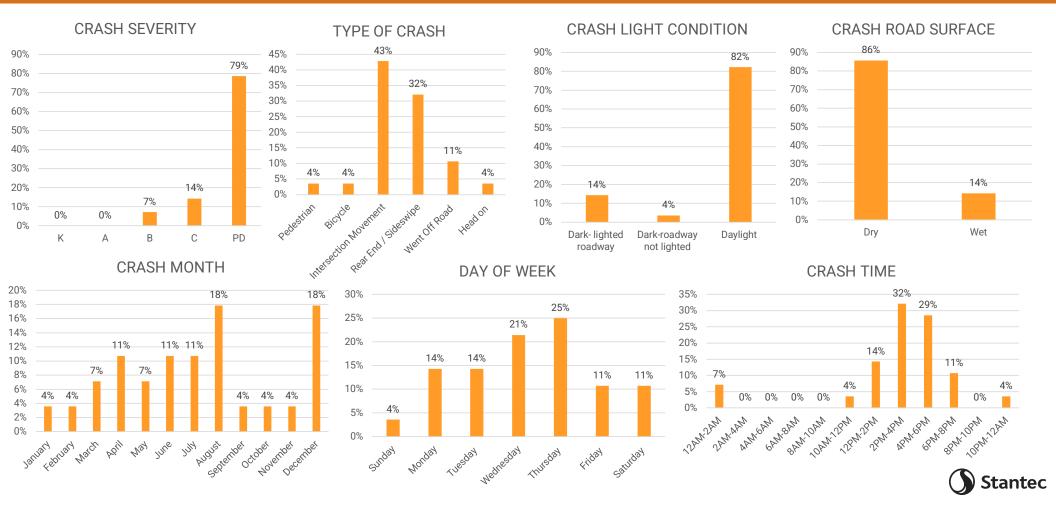


Crash Summary (2019 – 2023):

- > 28 total crashes
 - 7 crashes per year
- > 7 injury crashes
 - > 25 percent



Study Area – South Main Street from Wilson Street to Brimmer Street and School Street



Study Area – South Main Street from Maple Street to Burr Street and Riverwalk Terminus

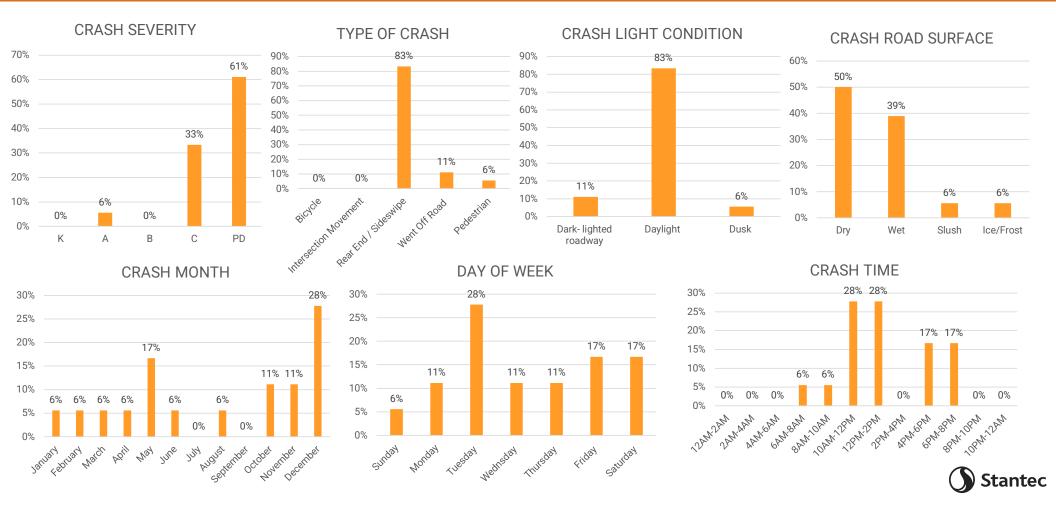


Crash Summary (2019 – 2023):

- 18 total crashes
 - > 4.5 crashes per year
- 7 injury crashes
 - > 39 percent



Study Area – South Main Street from Maple Street to Burr Street and Riverwalk Terminus



Study Area – South Main Street from Industrial Park to Abbott Street (incl. I-395 Interchange)

AAA



Study Area – South Main Street from Industrial Park to Abbott Street (incl. I-395 Interchange)



Stantec

Study Area – South Main Street from Industrial Park to Abbott Street (incl. I-395 Interchange)

80%

70%

60%

50%

40%

30%

20%

10%

0%

12%

Dark -

Liahted

Roadway

CRASH LIGHT CONDITION

8%

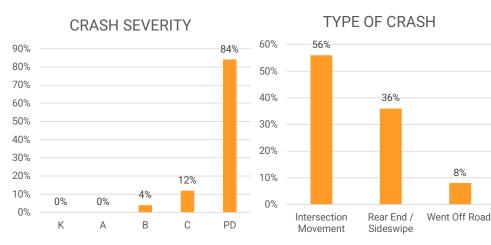
Dark - Not

Liahted

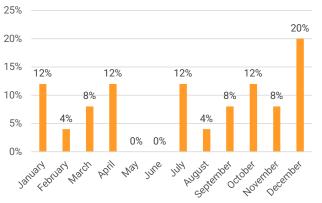
4%

Dusk

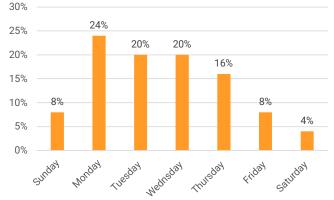
76%

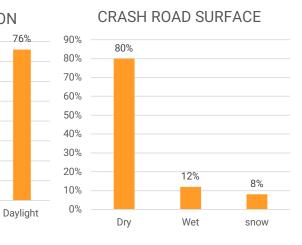


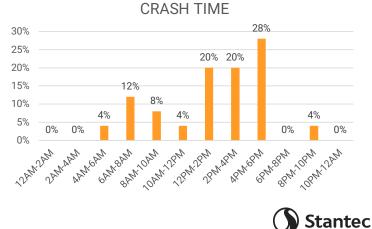












Study Area – North Main Street / South Main Street at Wilson Street

Pros

- Pedestrian Crossings on All Side
- Access to Riverwalk
- Access to City-owned parking
- City provided wayfinding signs
- Roadway is wide enough to work with
- City landscaping present
- Efforts have been made regarding EV charging locations and policy making

- Pedestrian curb ramps and drainage
- Access to/from High Tide, apartment
 uncontrolled driveway (NW corner)
- Roadway width is long for mid-block ped crossings
- Placemaking / Gateway is difficult
- *"Big" intersection with difficult compromises to reduce*
- Lighting Consumer survey highlighted this as something to improve
- EV Charging cost prohibitive



Study Area – South Main Street from Wilson Street to Brimmer Street and School Street

Pros

- Roadway is wide enough to work with
- RRFB at Hardy
- City is working on improvements to Hardy St intersection
- Access to Riverwalk
- Access to City parking
- Access to Library
- Relocating crosswalk existing Toziers Market to Library
- Mid-block crossings exist and expected by roadway users
- Side streets on east side connect along the back
- Wayfinding signs exist
- Redevelopment in Planning stages encourages re-look into access management along public roadways
- Existing City Park on DOT property

- Pedestrian curb ramps and drainage
- Mid-block crossings visibility
- Mid-block crossings length (roadway width)
 - Bumpouts could help with adjacent street parking
- Segment is flat difficult drainage
- Difficult utility locations/relocation
- Lighting
- Brimmer Offset from Toziers and close to Wilson signal
 - Could certain movements be prohibited
- Wayfinding to be reviewed as changes occur on corridor
- Sidewalk conditions
 - Project not improving sidewalks
- Solutions for continuing Riverwalk connections
- Solutions for parallel South Main Street Riverwalk pathway
- Curb management
- Lighting Improve both vehicular and ped-scale



Study Area – South Main Street from Industrial Park to Abbott Street (incl. I-395 Interchange)

Pros

- Crosswalks present along east side
- Ped signals at EB ramps
- Median present
- Trucks/commuters may be diverted due to I-395 Extension
- Vision to connect Riverwalk to points south

- Difficult ROW for Riverwalk extension south
- Sidewalks only on interchange side (none along river)
- Expand, substantiate median on South Main Street
- EB Off-Ramp to South Main Street NB Look into T-ing into S.
 Main Street for reducing speeds and improving sightlines
- No ped crossings of South Main Street
- Abbott is close to interchange
- Stop line at Industrial is not where they are stopping
 - Stopping over crosswalk, may need to relocate both
- Sightline issues from Industrial to Main Street southbound due to utility poles and low Stop sign
- Main St NB right-turn only lane operations
- Trucks/commuters diverting from Main Street to I-395
 Extension will be ramp turns instead of Main Street through
 movements



Project Schedule

ĤÀA



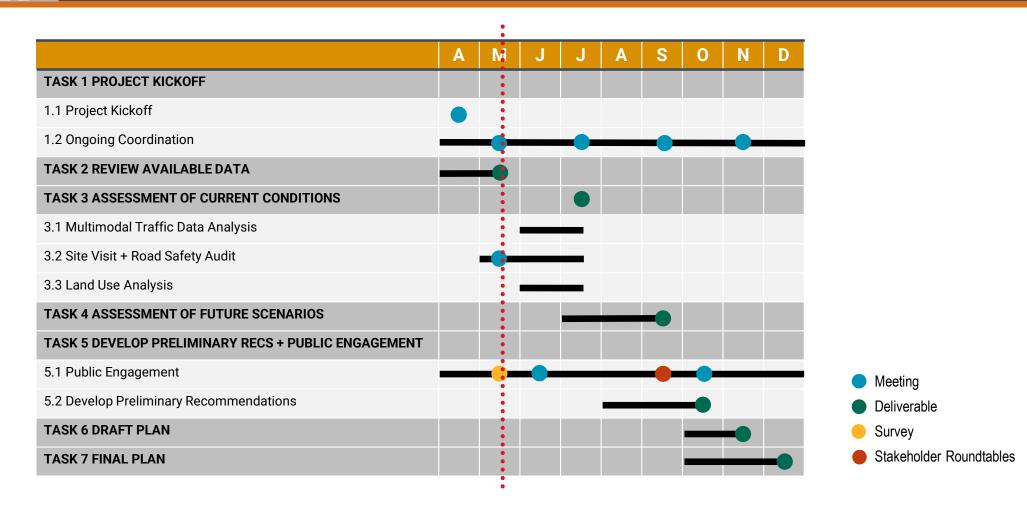
BREWER VILLAGE PARTNERSHIP INITIATIVE

| | J | F | Μ | Α | M | J | J | Α | S | 0 | Ν | D | J |
|-----------------------------------------|---|---|---|---|---|--------|----|---|---|---|---|---|---|
| TASK 1 PROJECT KICKOFF | | | | | | • • | | | | | | | |
| I.1 Project Kickoff | • | | | | | | | | | | | | |
| 2 Ongoing Coordination | | | | | | _ | | | | | | | |
| ASK 2 REVIEW AVAILABLE DATA | _ | | | | | | | | | | | | |
| ASK 3 ASSESSMENT OF CURRENT CONDITIONS | | | | | • | | | | | | | | |
| .1 Multimodal Traffic Data Analysis | | | _ | | _ | | | | | | | | |
| 2.2 Site Visit + Road Safety Audit | | | | | • | _ | | | | | | | |
| 3.3 Land Use Analysis | | | | | | _ | _ | | | | | | |
| ASK 4 ASSESSMENT OF FUTURE SCENARIOS | | | | | | | | | | | | | |
| ASK 5 DEVELOP PRELIMINARY RECS + PUBLIC | | | | | • | | | | | | | | |
| 5.1 Public Engagement | _ | | _ | _ | | | -• | | | _ | | _ | |
| 5.2 Develop Preliminary Recommendations | | | | | | | | | | | - | | |
| TASK 6 DRAFT PLAN | | | | | • | | | | | | | | |
| ASK 7 FINAL PLAN | | | | | | | | | | | | | |

Project Schedule



SOUTH MAIN STREET CORRIDOR



Thank you for participating!

