September 14, 2023 (Revised October 11, 2023)
City of Tualatin
Attention: Tony Doran
18880 SW Martinazzi Avenue
Tualatin, OR 97062

## Re: Fujimi Facility Expansion

Trip Generation and Distribution
Project Number 2210148.00
Dear Tony:
Mackenzie has prepared this trip generation letter for the proposed two-story, 70,000 -square-foot (SF) expansion of the existing Fujimi facility located at 11200 SW Leveton Drive in Tualatin, Oregon.

## PROJECT DESCRIPTION

The proposed building addition, located at the southeast corner of the existing Fujimi building, will be two stories with a gross floor area of up to $70,000 \mathrm{SF}$. The proposed addition will include manufacturing space, clean rooms, laboratories, and some office area. With the expansion, approximately 10-20 new employees will be added over time. This project will include associated site work, including approximately 30 additional parking spaces. The project will also add a new hammerhead fire turnaround at the southeast corner of the site. Per the City of Tualatin Traffic Study Requirements, a full Transportation Impact Analysis (TIA) is required for any development that generates 500 or more new daily trips. The proposed expansion is estimated to add approximately 333 new daily trips, so this letter presents the information required for a Trip Generation and Distribution Description letter.

## TRIP GENERATION

Trip generation estimates were reviewed using trip rates published in the Institute of Transportation Engineers' (ITE) Trip Generation Manual, 11th Edition for the "General Light Industrial" (LUC 110) land use, as required by the "Tualatin Traffic Study Requirements" document (updated March 16, 2022). In addition, we surveyed the existing Fujimi site to better understand the site's actual trip generation compared with existing ITE data for not only the "General Light Industrial" use, but also the "Manufacturing" (LUC 140) use.

## Existing Site Trips

The existing Fujimi site on SW Leveton Drive was surveyed for trip generation on Tuesday, October 3, 2023 during the AM and PM peak hours of the street. The generation summary for the existing 175,000 SF building is summarized in Table 1.

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architecture • interiors : structural engineering - civil engineering : land use planning - transportation planning . landscape architecture Portland, Oregon • Vancouver, Washington • Seattle, Washington

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| Trip Type | Size (KSF) | AM Peak Hour |  |  | PM Peak Hour |  |  | Daily |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | In | Out | Total | In | Out | Total |  |
| Total | 175.0 | 40 | 6 | 46 | 10 | 24 | 34 | $238{ }^{\text {a }}$ |
| Trucks |  | 2 | 0 | 2 | 0 | 0 | 0 | $24^{\text {b }}$ |
| Passenger Cars |  | 38 | 6 | 44 | 10 | 24 | 34 | 214 |

As presented in Table 1, the site currently generates 46 AM peak hour and 34 PM peak hour. A total daily trip estimate of 238 was derived by assuming a $7 x$ ratio to the PM peak hour trips comparable to ITE trip data for the "General Light Industrial" and "Manufacturing" uses. Fujimi notes they have on average 8-12 trucks per day for deliveries. Based on the trip data above, the site-specific trip rates for all vehicles are 0.26 AM trips $/ K S F, 0.19 \mathrm{PM}$ trips $/ \mathrm{KSF}$, and 1.36 daily trips $/ \mathrm{KSF}$.

## Proposed Site Trips

We reviewed the proposed building expansion's trip generation utilizing the site-specific trip rates noted above, as well as ITE trip rates for "General Light Industrial" and "Manufacturing" uses. The trip generation comparison is presented in Table 2 below.

| TABLE 2 - TOTAL TRIP GENERATION COMPARISON FOR EXPANSION |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITE Code | Land Use | Size (KSF) | AM Peak Hour |  |  | PM Peak Hour |  |  | Daily |
|  |  |  | In | Out | Total | In | Out | Total |  |
| N/A | Fujimi Site | 70.0 | 16 | 2 | 18 | 4 | 9 | 13 | 91 |
| 110 | General Light Industrial |  | 45 | 6 | 51 | 6 | 40 | 46 | 341 |
| 140 | Manufacturing |  | 40 | 12 | 52 | 13 | 30 | 43 | 333 |

As presented in Table 2, the ITE trip rates for the "General Light Industrial" and "Manufacturing" uses likely overestimate the site's trip impact for the proposed expansion by a factor of 2-3 times. We note the ITE trip generation estimates grossly overestimate the expected trip generation with the expansion as only 10-20 employees will be added with the proposal; however, as a worst-case scenario, we propose estimating the site's trip generation using ITE trip data for the "Manufacturing" (LUC 140) use for purposes of calculating the proposed expansion's Transportation Development Tax (TDT) imposed by Washington County.

The existing site trip rates yield an expected impact of only 18 AM peak hour and 13 PM peak hour trips forecasted with the expansion. Therefore, a Transportation Impact Analysis (TIA) is not warranted with the approximately 70,000 SF addition.

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## Truck Trips

Table 3 presents the truck trip generation estimates associated with the proposed expansion utilizing ITE "Manufacturing" truck trip rates.

| TABLE 3 - TRUCK TRIP GENERATION COMPARISON FOR EXPANSION |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITE Code | Land Use | Size (KSF) | AM Peak Hour |  |  | PM Peak Hour |  |  | Daily |
|  |  |  | In | Out | Total | In | Out | Total |  |
| 110 | General Light Industrial | 70.0 | 0 | 1 | 1 | 0 | 1 | 1 | 18 |
| 140 | Manufacturing |  | 1 | 1 | 2 | 1 | 1 | 2 | 32 |

The additional truck trips associated with the expansion are estimated to be 2 AM peak hour, 2 PM peak hour, and 32 daily trips, per trip data for ITE's "Manufacturing" land use. Note these truck trip estimates are included in the total trip estimates presented in Table 2 and are not in addition to those estimates. The truck trip generation estimates for the "Manufacturing" use are significantly higher than those based on ITE's "General Light Industrial" use. Similar to the total site-specific trip estimates, ITE truck trip generation estimates grossly overestimate the expected growth in truck trips associated with the expansion. Therefore, we do not recommend further analysis based on truck trip generation.

## Pedestrians, Bicycles, and Transit

Sidewalks are provided along the site's SW Leveton Drive frontage. Sidewalks continue along SW 108th Avenue which provides a pedestrian connection to the nearby Hazelbrook neighborhood located north of SW Tualatin Road, and to SW Herman Road which has a Tualatin Ride Connection Blue Line Shuttle stop east of SW 108th Avenue. Data provided by Fujimi shows that their current workforce has a $0 \%$ pedestrian mode share. This is not expected to change with the proposed expansion.

The Tualatin Ride Connection Blue Line Shuttle provides transit service to the site, with a stop along the site's SW Leveton Drive frontage. The Blue Line runs only during weekday peak hours, with a headway of approximately 45 minutes. Data provided by Fujimi shows that their current workforce has a $0 \%$ transit mode share. This is not expected to change with the proposed expansion.

Bike lanes are provided on all non-residential roads in the site vicinity. There is currently an outdoor 5-position bicycle rack on the site, in addition to available indoor bike parking. Data provided by Fujimi shows that their current workforce has a $5 \%$ bicycle mode share. This is not expected to change with the proposed expansion, which corresponds to a maximum of 2 additional daily bike trips with the addition of 20 employees. Based on this estimate, it is not expected the proposed expansion will have a significant impact on the bicycle infrastructure in the vicinity of the site.

## TRIP DISTRIBUTION

Trip distribution for the new trips generated by the proposed expansion was estimated by reviewing the existing distribution from recent and existing counts at surrounding intersections in conjunction with review of previous trip

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distribution assumptions for the Lam Research campus located directly north of the site. The following trip distribution was assumed:

- $15 \%$ to/from the south on Highway 99W
- $25 \%$ to/from the north on Highway 99W
- $5 \%$ to/from the east on SW Tualatin Road
- $15 \%$ to/from the south on SW 124th Avenue
- $5 \%$ to/from the south on SW 118th Avenue
- $35 \%$ to/from the east on SW Herman Road

The attached figure presents the trip distribution and assignment for passenger cars and trucks. Based on recent traffic flow patterns on SW Leveton Drive, it is assumed 70\% of existing trips utilize the west driveway. All new trips (except truck trips) are assumed to utilize the east driveway.

## SITE PLAN REVIEW

The existing Fujimi site has two driveways providing ingress and egress for vehicles. Both driveways provide access for passenger vehicles. Truck access is limited to the west site driveway. The proposed expansion will not include any changes to the existing two driveways on SW Leveton Drive nor passenger or truck circulation routes.

## Site Driveways

The existing driveways are approximately 500 feet apart measured between centerlines. The spacing between the west driveway and the center Lam driveway is approximately 240 feet. The spacing between the east driveway and the next driveway to the east is approximately 160 feet. Per Tualatin Development Code (TDC) 75.040 .10 , the minimum spacing between two driveways is 40 feet. Therefore, the existing driveways meet the City's minimum spacing requirement.

Both driveways are approximately 36 feet wide. Per TDC Table 75-1, the minimum width for industrial driveways is 36 feet and the maximum width may not exceed 40 feet. Therefore, the existing driveways meet the City's driveway width standards.

## Sight Distance Evaluation

Per the City of Tualatin's Traffic Study Requirements, sight distance at access points should be evaluated based on minimum stopping sight distance requirements as established by the American Association of State Highway and Transportation Officials (AASHTO). For a posted speed of 35 mph and a design speed of 40 mph on SW Leveton Drive (assuming 5 mph over the posted speed), the minimum required stopping sight distance is 305 feet. This sight distance is available from both the east and the west on SW Leveton Drive to both site driveways.

## Leveton Drive Improvements

SW Leveton Drive is designated a Minor Arterial with a preferred 74-foot right of way (ROW) and minimum 56-foot ROW. The current ROW width of SW Leveton Drive along the site frontage is approximately 60 feet. Therefore, the City has requested an additional 7 feet to meet the preferred half-width of 37 feet. With the proposed expansion, Fujimi will plan to dedicate 7 feet of ROW along SW Leveton Drive to meet the City's preferred ROW standard.

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No improvements are proposed with the 7 -foot ROW dedication. The City's preferred 74 -foot ROW cross-section width for a Minor Arterial includes one travel lane in each direction, a center turn lane, 6-foot bike lanes, 6-foot planter strips, and 6-foot sidewalks. SW Leveton Drive between SW 118th Avenue and SW 108th Avenue currently includes most of these design elements except the center turn lane. Mackenzie prepared traffic volumes on SW Leveton Drive for Lam Research's Building G expansion as presented in the August 12, 2022, TIA. Using these volume projections, the existing driveway counts, and ITE estimates as a conservative estimate, we prepared a left-turn lane warrant analysis for the Fujimi site driveways on SW Leveton Drive. The analysis shows a left-turn lane is not warranted with the proposed expansion at either driveway. Therefore, the proposed expansion does not warrant additional improvements on SW Leveton Drive beyond the proposed dedication.

## CONCLUSION

The proposed expansion is estimated to generate 52 AM peak hour, 43 PM peak hour, and 333 daily trips based on ITE data for a "Manufacturing" use. While these trip estimates reflect the lowest ITE trip rates and most comparable for up to 70,000 SF of additional building area, they likely overestimate site trips as the expansion is planned to facilitate only 1020 additional employees at the site and existing site trip surveys show the site is a low traffic generator. The proposed expansion is not expected to have a significant impact on the existing transportation system and therefore does not meet the City's threshold for requiring a full TIA. Additionally, a left-turn lane on SW Leveton Drive is not warranted with projected traffic volumes for the proposed expansion at this time; however, the proposed 7-foot ROW dedication will allow for widening in the future as needed.

No changes are proposed to the existing driveways or pedestrian and/or bicycle facilities on the site or surrounding roadways. The proposed site plan is designed to provide safe circulation for vehicles, pedestrians, and bicycles entering or exiting the site.

Please contact me at jijnes@mcknze.com or 971-346-3741 if you have any questions or comments regarding the information presented in this letter.


Enclosure(s): Attachment A - Site Plan
Attachment B - Site Trip Counts
Attachment C - Vicinity Map and Trip Distribution
 Attachment D - Left-Turn Lane Warrant Analysis
c: Mike McCarthy - City of Tualatin
Bill Bezio, Nate Birky, Suzannah Stanley, Nicole Burrell - Mackenzie

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TOTAL TRIP GENERATION - AM PEAK HOUR

|  | West Driveway |  |  | East Driveway |  |  | Total |  |  | Hourly |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | In | Out | Total | In | Out | Total | In | Out | Total |  |
| 7:00 AM | 3 | 1 | 4 | 5 | 1 | 6 | 8 | 2 | 10 |  |
| 7:15 AM | 2 | 0 | 2 | 4 | 2 | 6 | 6 | 2 | 8 |  |
| 7:30 AM | 0 | 1 | 1 | 8 | 0 | 8 | 8 | 1 | 9 |  |
| 7:45 AM | 2 | 0 | 2 | 12 | 1 | 13 | 14 | 1 | 15 | 42 |
| 8:00 AM | 2 | 0 | 2 | 10 | 2 | 12 | 12 | 2 | 14 | 46 |
| 8:15 AM | 0 | 0 | 0 | 6 | 1 | 7 | 6 | 1 | 7 | 45 |
| 8:30 AM | 0 | 0 | 0 | 6 | 0 | 6 | 6 | 0 | 6 | 42 |
| 8:45 AM | 1 | 2 | 3 | 1 | 0 | 1 | 2 | 2 | 4 | 31 |
| TOTAL TRIP GENERATION - PM PEAK HOUR |  |  |  |  |  |  |  |  |  |  |
|  | West Driveway |  |  | East Driveway |  |  | Total |  |  |  |
| Time | In | Out | Total | In | Out | Total | In | Out | Total | Hourly |
| 4:00 PM | 1 | 0 | 1 | 0 | 4 | 4 | 1 | 4 | 5 |  |
| 4:15 PM | 0 | 1 | 1 | 0 | 4 | 4 | 0 | 5 | 5 |  |
| 4:30 PM | 4 | 2 | 6 | 1 | 7 | 8 | 5 | 9 | 14 |  |
| 4:45 PM | 1 | 0 | 1 | 0 | 6 | 6 | 1 | 6 | 7 | 31 |
| 5:00 PM | 2 | 0 | 2 | 0 | 5 | 5 | 2 | 5 | 7 | 33 |
| 5:15 PM | 2 | 0 | 2 | 0 | 4 | 4 | 2 | 4 | 6 | 34 |
| 5:30 PM | 1 | 0 | 1 | 0 | 4 | 4 | 1 | 4 | 5 | 25 |
| 5:45 PM | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 2 | 20 |

TRUCK TRIP GENERATION - AM PEAK HOUR

| West Driveway |  |  |  |  | East Driveway |  | Total |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time | In | Out | Total | In | Out | Total | In | Out | Total | Hourly |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 7:15 AM | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |  |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 7:45 AM | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:45 AM | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 2 |


| TRUCK TRIP GENERATION - PM PEAK HOUR |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | West Driveway |  |  | East Driveway |  |  | Total |  |  | Hourly |
| Time | In | Out | Total | In | Out | Total | In | Out | Total |  |
| 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 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## Fujimi Corp West Dwy SW Leveton Dr

Peak Hour

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Date: 10/03/2023
Count Period: 7:00 AM to 9:00 AM Peak Hour: 7:30 AM to 8:30 AM


Two-Hour Count Summaries

| Interval Start |  | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp West Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  |  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 7:00 | AM | 0 | 0 | 22 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 32 | 0 |
| 7:15 | AM | 0 | 0 | 24 | 1 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 |
| 7:30 | AM | 0 | 0 | 38 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 48 | 0 |
| 7:45 | AM | 0 | 0 | 44 | 1 | 0 | 1 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 180 |
| 8:00 | AM | 0 | 0 | 47 | 0 | 0 | 2 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 216 |
| 8:15 | AM | 0 | 0 | 42 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 253 |
|  | AM | 0 | 0 | 31 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 253 |
| 8:45 | AM | 0 | 0 | 36 | 0 | 0 | 1 | 15 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 54 | 240 |
| Count | Total | 0 | 0 | 284 | 5 | 1 | 5 | 121 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 420 | 0 |
|  | All | 0 | 0 | 171 | 1 | 1 | 3 | 76 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 253 | 0 |
| Peak | HV | 0 | 0 | 5 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
|  | HV\% | - | - | 3\% | 0\% | 0\% | 33\% | 5\% | - | - | - | - | 0\% | - | - | - | - | 4\% | 0 |

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

| Interval Start | Heavy Vehicle Totals |  |  |  |  | Bicycles |  |  |  |  | Pedestrians (Crossing Leg) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 7:00 AM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 7:45 AM | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 2 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Count Total | 10 | 6 | 2 | 0 | 18 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 4 |
| Peak Hr | 5 | 5 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 |

Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp West Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 7:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 7:15 AM | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 7:30 AM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| 8:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 |
| 8:15 AM | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 8:45 AM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 10 |
| Count Total | 0 | 0 | 10 | 0 | 0 | 2 | 4 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 18 | 0 |
| Peak Hour | 0 | 0 | 5 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |

Two-Hour Count Summaries - Bikes

| Interval Start | SW Leveton Dr |  |  | SW Leveton Dr |  |  | Fujimi Corp West Dwy |  |  | 0 |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  | Westbound |  |  | Northbound |  |  | Southbound |  |  |  |  |
|  | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT |  |  |
| 7:00 AM | 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 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Count Total | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Peak Hour | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Fujimi Corp East Dwy SW Leveton Dr

Peak Hour

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Date: 10/03/2023
Count Period: 7:00 AM to 9:00 AM Peak Hour: 7:45 AM to 8:45 AM


Two-Hour Count Summaries

| Interval Start |  | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp East Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  |  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 7:00 | AM | 0 | 0 | 15 | 2 | 0 | 3 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 |
| 7:15 | AM | 0 | 0 | 18 | 4 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 33 | 0 |
| 7:30 | AM | 0 | 0 | 31 | 7 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 |
| 7:45 | AM | 0 | 0 | 34 | 5 | 0 | 7 | 25 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 72 | 182 |
| 8:00 | AM | 0 | 0 | 35 | 7 | 0 | 3 | 24 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 71 | 226 |
| 8:15 | AM | 0 | 0 | 27 | 4 | 0 | 2 | 29 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 256 |
| 8:30 | AM | 0 | 0 | 21 | 5 | 0 | 1 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 257 |
| 8:45 | AM | 0 | 0 | 32 | 0 | 0 | 1 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 237 |
| Count | Total | 0 | 0 | 213 | 34 | 0 | 18 | 147 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 419 | 0 |
|  | All | 0 | 0 | 117 | 21 | 0 | 13 | 102 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 257 | 0 |
| Peak <br> Hour | HV | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
|  | HV\% | - | - | 3\% | 0\% | - | 0\% | 5\% | - | - | 0\% | - | 0\% | - | - | - | - | 3\% | 0 |

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

| Interval Start | Heavy Vehicle Totals |  |  |  |  | Bicycles |  |  |  |  | Pedestrians (Crossing Leg) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 7:00 AM | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:30 AM | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 7:45 AM | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:00 AM | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:15 AM | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8:45 AM | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Count Total | 11 | 7 | 0 | 0 | 18 | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 2 |
| Peak Hr | 3 | 5 | 0 | 0 | 8 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp East Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 7:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 7:15 AM | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 7:30 AM | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| 8:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 |
| 8:15 AM | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 |
| 8:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 8:45 AM | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| Count Total | 0 | 0 | 11 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 |
| Peak Hour | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |

Two-Hour Count Summaries - Bikes

| Interval Start | SW Leveton Dr |  |  | SW Leveton Dr |  |  | Fujimi Corp East Dwy |  |  | 0 |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  | Westbound |  |  | Northbound |  |  | Southbound |  |  |  |  |
|  | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT |  |  |
| 7:00 AM | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 7:15 AM | 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 |
| 7:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 8:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 8:30 AM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 8:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Count Total | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Peak Hour | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |

Note: U-Turn volumes for bikes are included in Left-Turn, if any

## Fujimi Corp West Dwy SW Leveton Dr

Peak Hour

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Date: 10/03/2023
Count Period: 4:00 PM to 6:00 PM Peak Hour: 4:30 PM to 5:30 PM


Two-Hour Count Summaries

| Interval Start |  | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp West Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  |  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 4:00 PM |  | 0 | 0 | 21 | 0 | 0 | 1 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 |
| 4:15 PM |  | 0 | 0 | 21 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 43 | 0 |
| $\begin{aligned} & \text { 4:30 PM } \\ & \text { 4:45 PM } \end{aligned}$ |  | 0 | 0 | 22 | 0 | 0 | 4 | 31 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 59 | 0 |
|  |  | 0 | 0 | 19 | 0 | 0 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 191 |
| 5:00 PM |  | 0 | 0 | 30 | 0 | 0 | 2 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 230 |
| 5:15 PM |  | 0 | 0 | 28 | 0 | 0 | 2 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 251 |
| $\begin{aligned} & \text { 5:30 PM } \\ & 5: 45 \mathrm{PM} \end{aligned}$ |  | 0 | 0 | 20 | 0 | 0 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 231 |
|  |  | 0 | 0 | 18 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 223 |
| Count Total |  | 0 | 0 | 179 | 0 | 0 | 11 | 221 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 414 | 0 |
| Peak <br> Hour | All | 0 | 0 | 99 | 0 | 0 | 9 | 141 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 251 | 0 |
|  | HV | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
|  | HV\% | - | - | 5\% | - | - | 0\% | 0\% | - | - | - | - | 0\% | - | - | - | - | 2\% | 0 |

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

| Interval Start | Heavy Vehicle Totals |  |  |  |  | Bicycles |  |  |  |  | Pedestrians (Crossing Leg) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 4:00 PM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 4:15 PM | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 4:30 PM | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 |
| 4:45 PM | 2 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 3 |
| 5:15 PM | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 3 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Count Total | 7 | 1 | 0 | 0 | 8 | 5 | 1 | 0 | 0 | 6 | 0 | 2 | 0 | 10 | 12 |
| Peak Hr | 5 | 0 | 0 | 0 | 5 | 5 | 1 | 0 | 0 | 6 | 0 | 2 | 0 | 7 | 9 |

Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp West Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 4:00 PM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:15 PM | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 4:30 PM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 4:45 PM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 5:15 PM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Count Total | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| Peak Hour | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |

Two-Hour Count Summaries - Bikes

| Interval Start | SW Leveton Dr |  |  | SW Leveton Dr |  |  | Fujimi Corp West Dwy |  |  | 0 |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  | Westbound |  |  | Northbound |  |  | Southbound |  |  |  |  |
|  | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT |  |  |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:30 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:45 PM | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| 5:00 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 5:15 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Count Total | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| Peak Hour | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Fujimi Corp East Dwy SW Leveton Dr

Peak Hour

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Date: 10/03/2023
Count Period: 4:00 PM to 6:00 PM Peak Hour: 4:30 PM to 5:30 PM


Two-Hour Count Summaries

| Interval Start |  | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp East Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  |  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 4:00 | PM | 0 | 0 | 22 | 0 | 0 | 0 | 17 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 43 | 0 |
| 4:15 | PM | 0 | 0 | 21 | 0 | 0 | 0 | 19 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 44 | 0 |
| 4:30 | PM | 0 | 0 | 34 | 1 | 0 | 0 | 35 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 77 | 0 |
| 4:45 | PM | 0 | 0 | 19 | 0 | 0 | 0 | 22 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 211 |
| 5:00 | PM | 0 | 0 | 30 | 0 | 0 | 0 | 43 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 78 | 246 |
| 5:15 | PM | 0 | 0 | 33 | 0 | 0 | 0 | 27 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 64 | 266 |
|  | PM | 0 | 0 | 28 | 0 | 0 | 0 | 16 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 48 | 237 |
| 5:45 | PM | 0 | 0 | 21 | 0 | 0 | 0 | 12 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 35 | 225 |
| Count | Total | 0 | 0 | 208 | 1 | 0 | 0 | 191 | 0 | 0 | 21 | 0 | 15 | 0 | 0 | 0 | 0 | 436 | 0 |
|  | All | 0 | 0 | 116 | 1 | 0 | 0 | 127 | 0 | 0 | 16 | 0 | 6 | 0 | 0 | 0 | 0 | 266 | 0 |
| Peak | HV | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
|  | HV\% | - | - | 4\% | 0\% | - | - | 0\% | - | - | 0\% | - | 0\% | - | - | - | - | 2\% | 0 |

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

| Interval Start | Heavy Vehicle Totals |  |  |  |  | Bicycles |  |  |  |  | Pedestrians (Crossing Leg) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB | WB | NB | SB | Total | EB | WB | NB | SB | Total | East | West | North | South | Total |
| 4:00 PM | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 4:15 PM | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| 4:30 PM | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 |
| 4:45 PM | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 5:15 PM | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 5:30 PM | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| Count Total | 7 | 1 | 0 | 0 | 8 | 7 | 1 | 0 | 0 | 8 | 0 | 0 | 0 | 4 | 4 |
| Peak Hr | 5 | 0 | 0 | 0 | 5 | 6 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 2 | 2 |

Two-Hour Count Summaries - Heavy Vehicles

| Interval Start | SW Leveton Dr |  |  |  | SW Leveton Dr |  |  |  | Fujimi Corp East Dwy |  |  |  | 0 |  |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  |  | Westbound |  |  |  | Northbound |  |  |  | Southbound |  |  |  |  |  |
|  | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT | UT | LT | TH | RT |  |  |
| 4:00 PM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:15 PM | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 4:30 PM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 4:45 PM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 5:15 PM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Count Total | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| Peak Hour | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |

Two-Hour Count Summaries - Bikes

| Interval Start | SW Leveton Dr |  |  | SW Leveton Dr |  |  | Fujimi Corp East Dwy |  |  | 0 |  |  | 15-min Total | Rolling One Hour |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eastbound |  |  | Westbound |  |  | Northbound |  |  | Southbound |  |  |  |  |
|  | LT | TH | RT | LT | TH | RT | LT | TH | RT | LT | TH | RT |  |  |
| 4:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:30 PM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 4:45 PM | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| 5:00 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| 5:15 PM | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Count Total | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| Peak Hour | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |

Note: U-Turn volumes for bikes are included in Left-Turn, if any.


Project: Fujimi Facility Expansion
Job \#: 2210148.00
Date: 10/5/2023
Subject: Left-Turn Lane Evaluation - Leveton Drive at West Site Access

| Condition | Posted <br> Speed | AM Peak Hour |  |  |  |  |  | PM Peak Hour |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Approaching |  | Opposing |  | Left | Result | Approaching |  | Opposing |  | Left | Result |
|  |  | Vol | Lanes | Vol | Lanes |  |  | Vol | Lanes | Vol | Lanes |  |  |
| Pre-Dev | 40 | 151 | 1 | 172 | 1 | 3 | None | 236 | 1 | 99 | 1 | 9 | None |
| Post-Dev | 40 | 152 | 1 | 196 | 1 | 4 | None | 237 | 1 | 107 | 1 | 10 | None |



* ((Advancing volume/number of advancing through lanes) + (opposing volume/number of opposing through lanes))

Project: Fujimi Facility Expansion
Job \#: 2210148.00
Date: 10/5/2023
Subject: Left-Turn Lane Evaluation - Leveton Drive at East Site Access

| Condition | Posted <br> Speed | AM Peak Hour |  |  |  |  |  | PM Peak Hour |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Approaching |  | Opposing |  | Left | Result | Approaching |  | Opposing |  | Left | Result |
|  |  | Vol | Lanes | Vol | Lanes |  |  | Vol | Lanes | Vol | Lanes |  |  |
| Pre-Dev | 40 | 151 | 1 | 138 | 1 | 13 | None | 236 | 1 | 117 | 1 | 0 | None |
| Post-Dev | 40 | 167 | 1 | 162 | 1 | 29 | None | 241 | 1 | 125 | 1 | 5 | None |



* ((Advancing volume/number of advancing through lanes) + (opposing volume/number of opposing through lanes))


[^0]:    ${ }^{\text {a }}$ Assumes total daily trips are 7x PM peak hour trips based on ITE data for "General Light Industrial" and "Manufacturing."
    ${ }^{\mathrm{b}}$ Based on existing Fujimi delivery activity consisting of 8-12 trucks per day, on average.

