



EAW TRAFFIC STUDY UPDATE

MACY'S SITE REDEVELOPMENT

City of Edina, Hennepin County, Minnesota

May 14, 2024

Prepared for:
City of Edina
4801 W. 50th Street
Edina, MN 55424

WSB PROJECT NO. 025487-000



CERTIFICATION

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the State of Minnesota.

Mallori Fitzpatrick, P.E.

Date: May 14, 2024

Reg. No. 58640

Table of Contents

Background / Introduction	1
Existing Conditions.....	3
A. Roadway Characteristics	3
B. Traffic Volumes	3
C. Crash History.....	4
Traffic Projections	7
A. Background (Non-Site) Traffic Growth	7
B. Traffic Generation	7
C. Traffic Distribution	8
D. Projected Traffic Volumes.....	8
Traffic Impact Analysis	12
A. Methodology	12
B. Existing Conditions Analysis.....	13
C. Forecasted Conditions Analysis	13
D. Vehicle Queuing Analysis	16
Multi Modal Review / Analysis.....	16
Parking Impact Analysis.....	20
Travel Demand Management	21
Conclusions / Recommendations	22

List of Figures

Figure 1 - Project Location	2
Figure 2 - Existing Traffic Conditions	5
Figure 3 - Development Site Plan	6
Figure 4 - 2025 No-Build Traffic Conditions.....	9
Figure 5 - 2025 Build Traffic Conditions.....	10
Figure 6 - 2030 Build Traffic Conditions.....	11
Figure 7 - Level of Service Ranges for	12
Figure 8 - Proposed Sidewalk Facilities	18
Figure 9 - Proposed Bike Facilities	19

List of Tables

Table 1 - Crash Data Summary	4
Table 2 - Crash Rate Summary	4
Table 3 – Original Estimated Site Trip Generation	7
Table 4 – Updated Estimated Site Trip Generation	7
Table 5 - 2023 Existing Conditions Summary	13
Table 6 - 2025 No Build Condition Summary.....	14
Table 7 - 2025 Build Conditions	15
Table 8 - 2030 Build Condition Summary	15
Table 9 - Parking Required per City Code	20
Table 10 - Site Parking Demand per ITE	20
Table 11 - TDM Strategies.....	21

Appendices

APPENDIX A – Existing Traffic Counts
APPENDIX B – Traffic Operations Analysis Worksheets

Background / Introduction

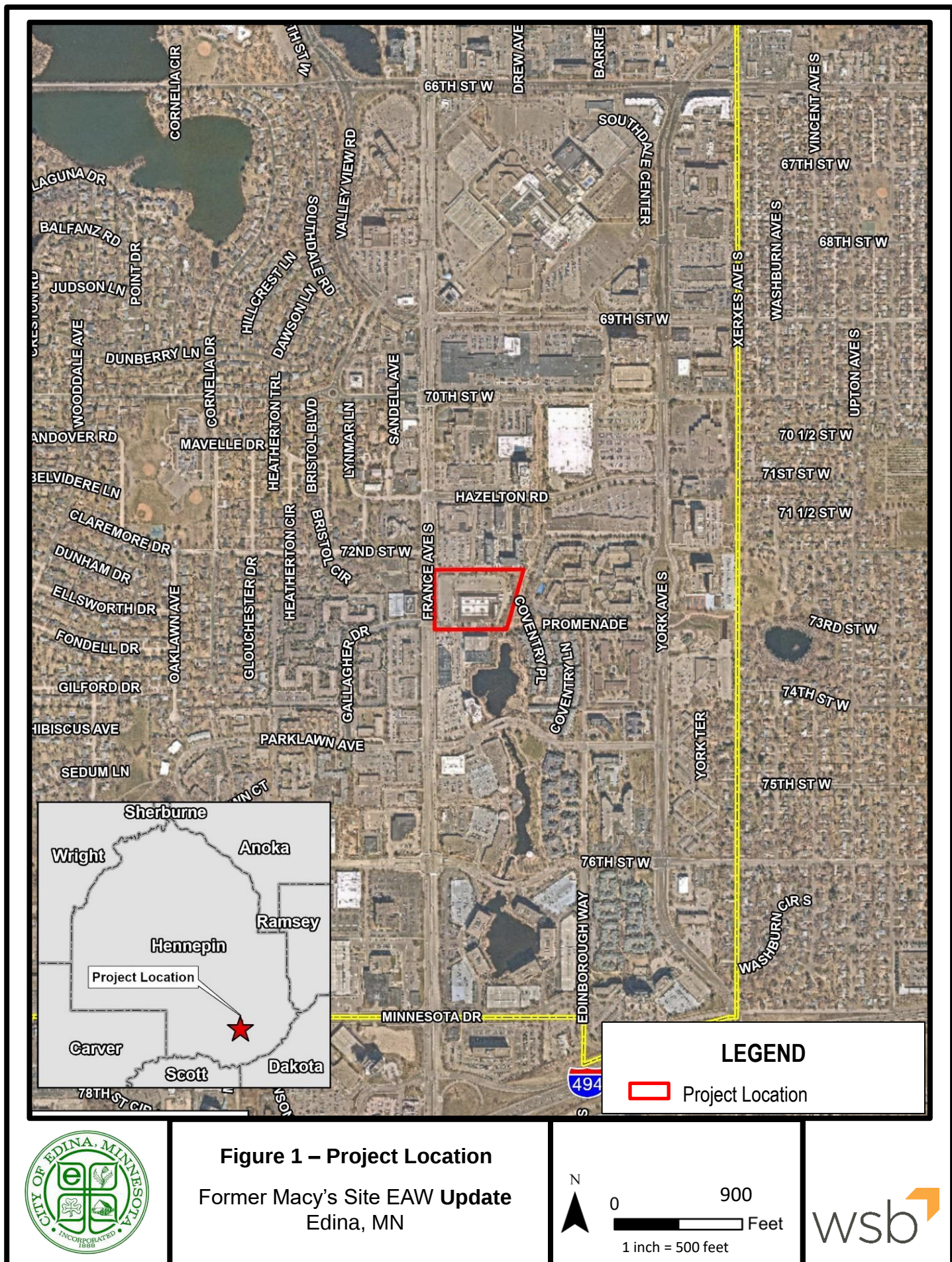
The purpose of this study is to determine the potential transportation impacts the updated proposed redevelopment of the former Macy's Furniture Store site has on the area traffic operations, site traffic circulation, pedestrian safety, and circulation and parking demand. The original study was completed in 2023, but the development has changed in land use intensity and an updated study is required.

The site is located on the east side of France Avenue (County State Aid Highway (CSAH 17)) between 72nd Street and Gallagher Drive. The project location is shown in **Figure 1**.

The existing 80,000 square foot building will be demolished. The original redevelopment of the site included will include four buildings with a total of 300,000 square feet of office/mixed use, 460 multi-family residential units, and parking. The updated proposed redevelopment includes 70,011 square feet of office space, 52 senior condos, 523 multi-family residential units, 21,660 square feet of commercial/restaurant, and parking. Access to the site will remain at the original locations from France Avenue at two existing locations, one at Gallagher Drive and the other from the existing business access.

The traffic impacts of the existing and anticipated site redevelopment were evaluated at each site driveway as well as the primary impacted intersections on France Avenue (CSAH 17). The parking demand was determined based on the City Code and Institute of Transportation Engineers (ITE) guidelines.

The following sections of this report document the traffic and parking analysis and the anticipated impacts the updated proposed site redevelopment has on the adjacent transportation system.



Existing Conditions

The existing conditions for the updated proposed site redevelopment were re-evaluated at the following intersections:

- France Avenue (CSAH 17) at Hazelton Road
- France Avenue (CSAH 17) at 72nd Street
- France Avenue (CSAH 17) at Business Access
- France Avenue (CSAH 17) at Gallagher Drive
- France Avenue (CSAH 17) at Parklawn Avenue

A. Roadway Characteristics

France Avenue is a north/south Minor Arterial roadway within Hennepin County. Within the study area, France Avenue is a six-lane divided roadway and has a speed limit of 40 mph. Hazelton Road is an east/west Major Collector roadway east of the intersection with France Avenue. Within the study area, Hazelton Road is a two-lane roadway and has a speed limit of 25 mph. 72nd Street is a two-lane local roadway with a speed limit of 25 mph. Gallagher Drive is a two-lane Major Collector roadway with a speed limit of 25 mph within the study area. Parklawn Avenue is an east/west Major Collector roadway with a speed limit of 30 mph. Parklawn Avenue is a two-lane undivided roadway west of France Avenue, and a four-lane divided roadway east of France Avenue. The lane configurations at each of the study area intersection are as follows:

France Avenue (CSAH 17) at Hazelton Road – Traffic Signal Control

- SB France Ave – one right/through, two through, one left
- EB Hazelton Rd – one right/through, one left
- NB France Ave – one right, three through, one left
- WB Hazelton Rd – one right, one through, one left

France Avenue (CSAH 17) at 72nd Street – Side Street Stop Control

- SB France Ave – one right/through, two through
- EB 72nd St – one right
- NB France Ave – three through, one left

France Ave (CSAH 17) at Business Access – Side Street Yield Control

- SB France Ave – three through
- WB 72nd St – one right
- NB France Ave – one right, three through

France Ave (CSAH 17) at Gallagher Drive – Traffic Signal Control

- SB France Ave – one right/through, two through, one left
- EB Gallagher Dr – one right/through, one left
- NB France Ave – one right/through, two through, one left
- WB Gallagher Dr – one right/through, one left

France Ave (CSAH 17) at Parklawn Avenue – Traffic Signal Control

- SB France Ave – one right/through, two through, one left
- EB Gallagher Dr – one right, one through, one left
- NB France Ave – one right, three through, one left
- WB Gallagher Dr – one right, one through, one left

B. Traffic Volumes

Peak hour turning movement counts and daily counts were conducted during the week of April 10, 2023. These counts were used as the existing baseline conditions for the area. The data identified the weekday AM peak hour from 8:00 to 9:00 AM and PM peak hour from 4:30 to 5:30 PM.

Figure 2 shows the existing intersections that were analyzed as part of the study, with the existing adjusted 2023 Average Daily Traffic (ADT) and weekday AM and PM peak hours. The raw traffic count data is included in **Appendix A**.

C. Crash History

The crash data presented is for a 5-year period from 2019-2023. Existing crash data included with this study was obtained using the Minnesota Crash Mapping Analysis Tool (MnCMAT2) developed by MnDOT. The database includes crashes reported to MnDOT by local law enforcement agencies. Crashes that resulted in property damage under \$1000 are not included in the database results. A summary of the existing crash data is shown in **Table 1**.

Table 1 - Crash Data Summary

Location	Crashes										Total Crashes
	2019		2020		2021		2022		2023		
	PD	PI	PD	PI	PD	PI	PD	PI	PD	PI	
France Ave at Hazelton Rd	2	0	1	0	1	0	2	2	0	0	8
France Ave at Gallagher Dr	1	0	2	1	3	1	2	0	2	1	13
France Ave at Parklawn Ave	0	1	1	3	1	0	3	2	3	2	16

The data shows that the intersections have calculated crash rates that are below MnDOT Metro and Statewide average rates. A Crash Rate Summary is shown in **Table 2**.

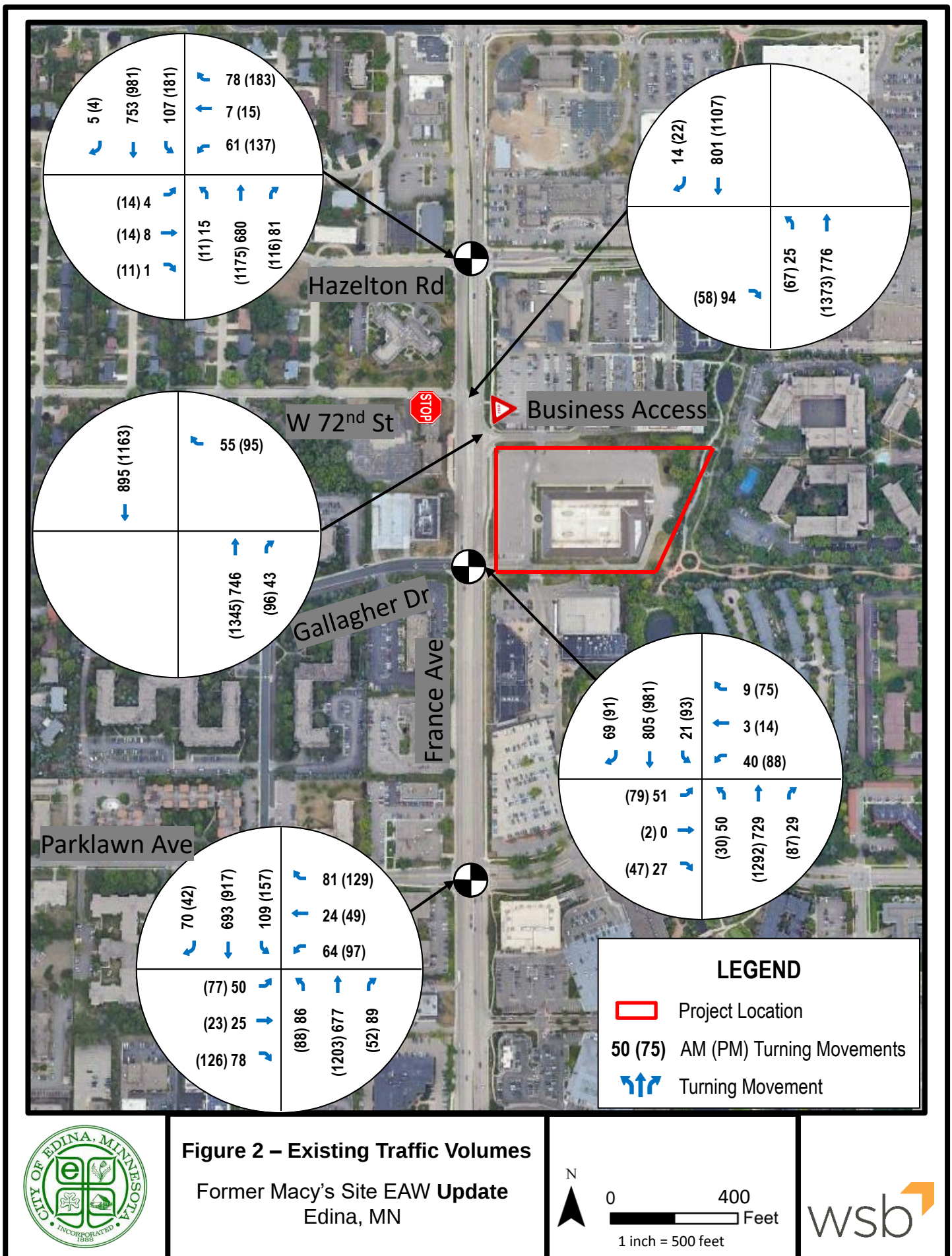
Table 2 - Crash Rate Summary

Location	Crashes	Daily Vehicles	Crash Rate*		
			Calc	Ave**	Crit***
France Ave at Hazelton Rd	8	33,217	0.13	0.61	0.87
France Ave at Gallagher Dr	13	30,253	0.24	0.61	0.89
France Ave at Parklawn Ave	16	35,512	0.25	0.61	0.87

Intersection crash rates are expressed in crashes per million entering vehicles

** Average for specific traffic control using MnDOT 2022 green sheets

*** Critical crash rates are expressed in crashes per million entering vehicles with 0.995 confidence level





Traffic Projections

In order to analyze the lane configuration and traffic control needs, projected traffic volumes were determined for the area with the updated land use intensities. Projected 2025 and 2030 traffic volumes were determined based on the updated proposed anticipated future development land use in the area. The following sections outline the projected background traffic growth, traffic generation from the study area, as well as the traffic distribution and projected traffic volumes.

A. Background (Non-Site) Traffic Growth

Traffic growth in the vicinity of a proposed site will occur between existing conditions (2023) and any given future year due to other development within the region. This background growth must be accounted for and included in future year traffic forecasts.

To account for some background traffic growth, several factors were considered including the current City and County Transportation Plans, future traffic projections compared to the existing traffic volumes and historic traffic volumes and surrounding development that was already approved, but not yet constructed at the time of this study. Based on this review, a factor of 0.8 percent/year was used to project traffic from 2023 to the 2025 and 2030 analysis years.

B. Traffic Generation

The estimated trip generation from the original area development is shown below in **Table 3**. The updated proposed area development trip generation is shown in **Table 4**. The trip generation used to estimate the proposed site traffic is based on rates for other similar land uses as documented in the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition. The table shows the Daily, AM peak and PM peak hour trip generation for the proposed site. With the updated trip generation, it is expected that a portion of trips from commercial and restaurant uses will be internal trips from the office and residential land uses. An internal trip reduction rate of 45% in the AM and 40% in the PM peak hour was used for commercial/restaurant trips. Internal trip reduction rates for mixed use developments were based on rates in the *ITE Trip Generation Handbook*, 3rd Edition. The overall trip generation in the updated site plan is less than the original site plan, but more trips are now leaving the site in the AM peak hour and entering the site in the PM peak hour.

Table 3 – Original Estimated Site Trip Generation

Planned Use	Size	ADT	AM Peak Hour			PM Peak Hour		
			Total	In	Out	Total	In	Out
Office	300,000 sf	3,252	456	401	55	432	73	359
Multi-Family	460 units	2,088	170	39	131	179	109	70
Total New Trips		5,340	626	440	186	611	183	429

Source: Institute of Transportation Engineers Trip Generation Manual, 11th Edition

Table 4 – Updated Estimated Site Trip Generation

Planned Use	Size	ADT	AM Peak Hour			PM Peak Hour		
			Total	In	Out	Total	In	Out
Office	70,011 sf	759	107	94	13	102	18	84
Multi-Family	523 units	2,448	219	51	168	205	127	78
Senior Condos	52 units	340	24	8	16	27	16	11
Commercial/ Restaurant	21,660 sf	1,733	121	68	53	175	97	78
<i>Internal Trip Reduction</i>		(736)	(55)	(31)	(24)	(70)	(39)	(31)
Total New Trips		4,544	416	190	226	439	219	220

Source: Institute of Transportation Engineers Trip Generation Manual, 11th Edition

C. Traffic Distribution

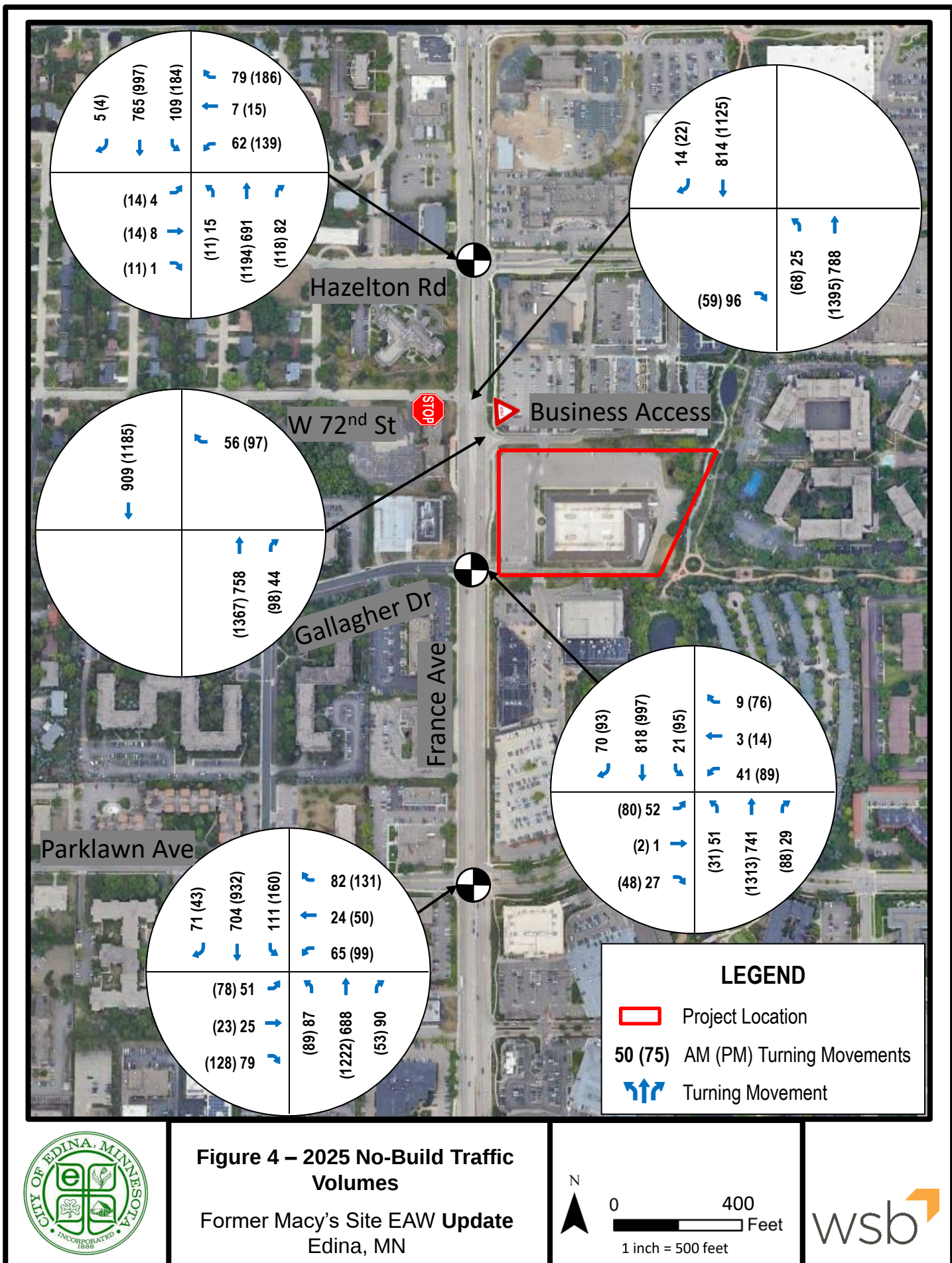
Proposed site generated trips were distributed to the adjacent roadway system based on the anticipated origins and destinations for the planned land use, existing travel patterns and engineering judgement. The original traffic distribution was used, as original land uses are similar to the updated land uses. Based on these parameters the following general traffic distribution was used to distribute the projected site traffic volumes to the area roadway network:

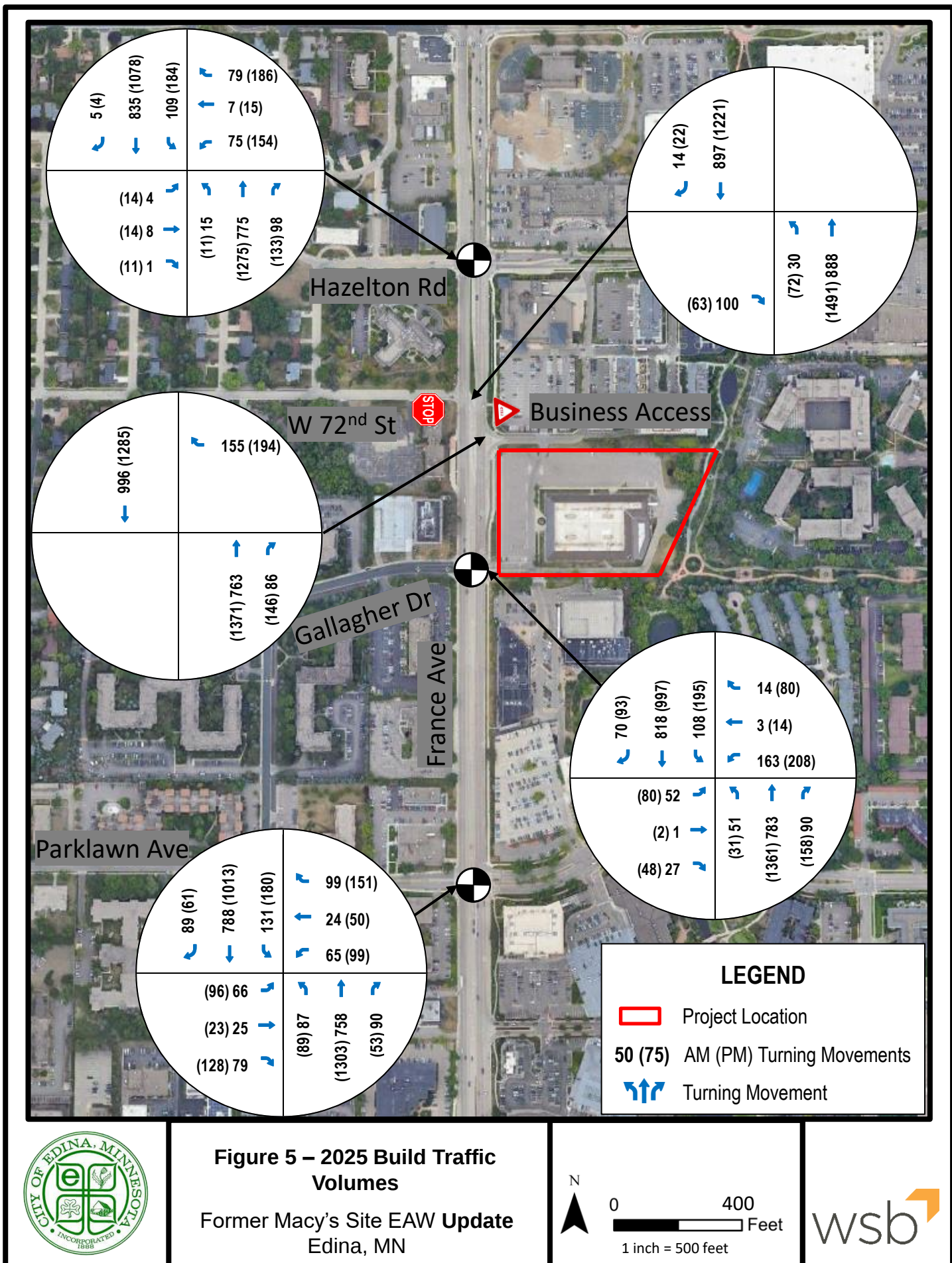
- 37 percent to / from the north on France Avenue
- 7 percent to / from the east on Hazelton Road
- 2 percent to / from the west on 72nd Street
- 37 percent to / from the south on France Avenue
- 9 percent to / from the east on Parklawn Avenue
- 8 percent to / from the west on Parklawn Avenue

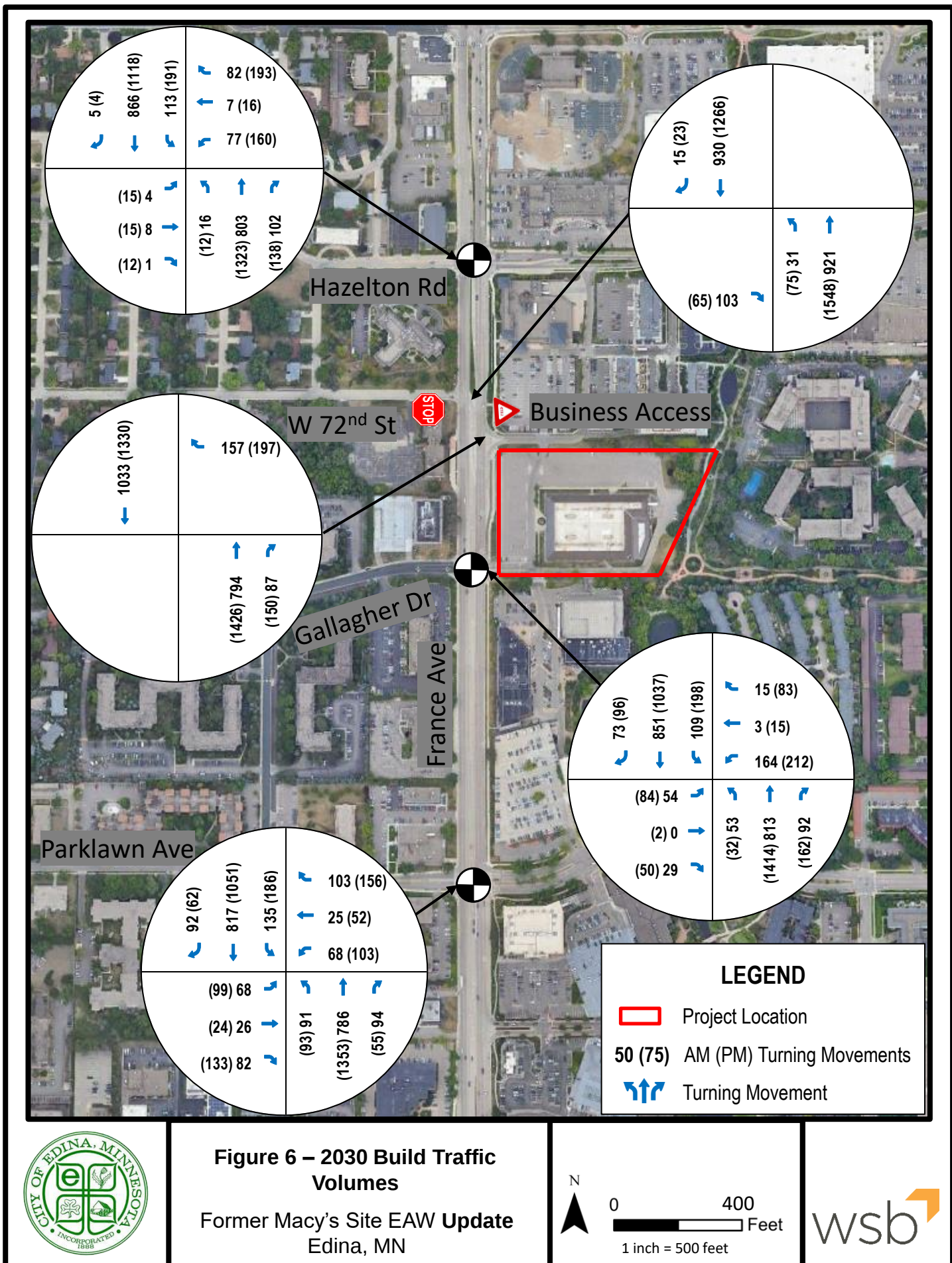
D. Projected Traffic Volumes

Traffic forecasts were prepared for the future conditions by adding the projected annual background traffic growth to the existing traffic volumes to determine the No-Build conditions. The 2025 and 2030 Build conditions were then developed by adding the anticipated proposed site redevelopment traffic generation to the No-Build volumes.

Figure 4 - Figure 6 shows the projected 2025 No-Build, 2025 Build and 2030 Build traffic volumes.







Traffic Impact Analysis

Existing and forecasted traffic operations were evaluated for the intersections and access in the Study Area. The analysis was conducted for the following scenarios.

1. Existing 2023
2. Projected 2025 No-Build
3. Projected 2025 Build (Updated)
4. Projected 2030 Build (Updated)

This section describes the methodology used to assess the operations and provides a summary of traffic operations for each scenario. The traffic operation worksheets are included in **Appendix B**.

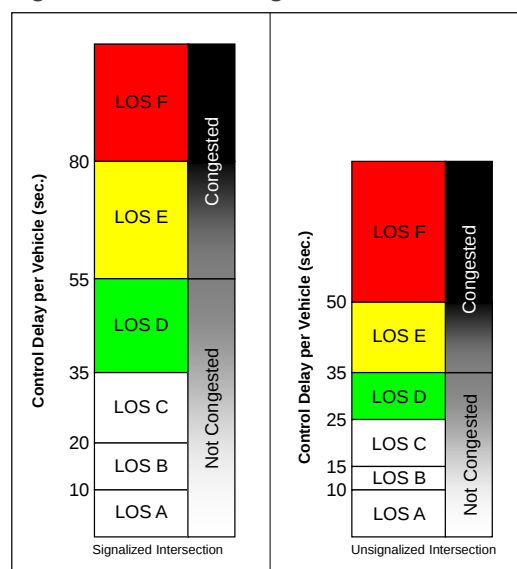
A. Methodology

The intersections in the corridor were evaluated during the weekday and weekend peak hours using Synchro/SimTraffic micro simulation software. The results are derived from established methodologies documented in the Highway Capacity Manual (HCM) 2010. The software was used to evaluate the characteristics of the roadway network including lane geometrics, turning movement volumes, traffic control, and signal timing. In addition, the signal timing parameters for future year conditions were optimized using Synchro. This information was then transferred to SimTraffic, the traffic simulation model, to estimate average peak hour vehicle delays and queues.

One of the primary measures of effectiveness used to evaluate intersection traffic operations, as defined in the HCM, is Level of Service (LOS) – a qualitative letter grade, A – F, based on seconds of vehicle delay due to a traffic control device at an intersection. By definition, LOS A conditions represent high quality operations (i.e., motorists experience very little delay or interference) and LOS F conditions represent very poor operations (i.e., extreme delay or severe congestion).

Figure 7 depicts a graphical interpretation of delay times that defines level of service. The delay thresholds are lower for un-signalized intersections than signalized intersections due to the public's perception of acceptable delays for different traffic controls as indicated in the HCM. In accordance with the Minnesota Department of Transportation (MnDOT) guidelines, this analysis used the LOS D/E boundary as an indicator of acceptable traffic operations.

Figure 7 - Level of Service Ranges for Signalized and Un-Signalized Intersections



SOURCE: Level of Service thresholds from the Highway Capacity Manual, 2000.

B. Existing Conditions Analysis

Table 5 - 2023 Existing Conditions shown below summarizes the existing LOS at the primary intersections in the study area based on the current lane geometry, traffic control and 2023 traffic volumes. The analysis results show that all intersections are operating at overall LOS B or better during both the AM and PM peak hours. All movements during the AM and PM peak hours are operating at LOS C or better.

Table 5 - 2023 Existing Conditions Summary

Control	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Delay ⁽¹⁾ (sec/veh)	LOS	Delay ⁽¹⁾ (sec/veh)
Signal	France Ave at Hazelton Rd	A (C)	7	B (C)	13
Thru-Stop	France Ave at 72 nd St	A (A)	4	A (A)	6
Thru-Yield	France Ave at Business Access	A (A)	2	A (A)	4
Signal	France Ave at Gallagher Dr	A (C)	7	B (C)	10
Signal	France Ave at Parklawn Ave	B (C)	12	B (C)	15

C = Overall LOS, (D) = Worst movement LOS , (1) = Overall Delay (worst movement for thru-stop intersections)

C. Forecasted Conditions Analysis

2025 No-Build Traffic Operations

Table 6 – 2025 No Build Condition Summary, shown below, summarizes the LOS and delays at the primary intersections in the study area based on the current lane geometry, traffic control and projected 2025 traffic volumes, without the proposed area development.

The results show that all intersections will continue to operate at overall LOS B or better in 2025 during both the AM and PM peak hours with only the background traffic growth, with all movements operating at LOS C or better, except the France Avenue northbound left turn at Hazelton Road which would operate at LOS D in the PM peak hour. Delays would only increase slightly from the existing conditions.

Table 6 - 2025 No Build Condition Summary

Control	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Delay ⁽¹⁾ (sec/veh)	LOS	Delay ⁽¹⁾ (sec/veh)
Signal	France Ave at Hazelton Rd	A (C)	7	B (D)	13
Thru-Stop	France Ave at 72 nd St	A (A)	5	A (A)	7
Thru-Yield	France Ave at Business Access	A (A)	2	A (A)	4
Signal	France Ave at Gallagher Dr	A (C)	6	B (C)	11
Signal	France Ave at Parklawn Ave	B (C)	12	B (C)	16

C = Overall LOS, (D) = Worst movement LOS , (1) = Overall Delay (worst movement for thru-stop intersections)

2025 Build Traffic Operations

Table 7 – 2025 Build Conditions, shown below, summarizes the LOS and delays at the primary intersections in the study area assuming the existing lane configuration, traffic control and projected 2025 traffic volumes with the updated proposed site redevelopment.

The results show that all intersections would operate at overall LOS B in 2025 during both the AM and PM peak hours with the proposed redevelopment traffic growth. All movements would also be operating at LOS C or better during the AM and PM peak hours except the following movements during the PM peak hour:

- France Avenue at Hazelton Road – NB left turn
- France Avenue at Gallagher Drive – NB left turn
- France Avenue at Parklawn Avenue – NB left turn
- France Avenue at Parklawn Avenue – SB left turn
- France Avenue at Parklawn Avenue – EB through movement

Table 7 - 2025 Build Conditions

Control	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Delay ⁽¹⁾ (sec/veh)	LOS	Delay ⁽¹⁾ (sec/veh)
Signal	France Ave at Hazelton Rd	A (C)	8	B (D)	11
Thru-Stop	France Ave at 72 nd St	A (A)	5	A (A)	9
Thru-Stop	France Ave at Business Access	A (A)	3	A (A)	6
Signal	France Ave at Gallagher Dr	B (C)	11	B (D)	16
Signal	France Ave at Parklawn Ave	B (C)	13	B (D)	17

C = Overall LOS, (D) = Worst movement LOS , (1) = Overall Delay (worst movement for thru-stop intersections)

2030 Build Traffic Operations

Table 8 – 2030 Build Conditions, shown below, summarizes the LOS and delays at the primary intersections in the study area assuming the existing lane configuration, traffic control and projected 2030 traffic volumes with the updated proposed area redevelopment.

The results show that all intersections would operate at overall LOS B in 2030 during both the AM and PM peak hours with the proposed redevelopment traffic growth. All movements would also be operating at LOS C or better during the AM and PM peak hours except the following during the PM peak hour:

- France Avenue at Hazelton Road – NB left turn
- France Avenue at Gallagher Drive – NB left turn
- France Avenue at Parklawn Avenue – NB left turn
- France Avenue at Parklawn Avenue – SB left turn
- France Avenue at Parklawn Avenue – EB through movement

Table 8 - 2030 Build Condition Summary

Control	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Delay ⁽¹⁾ (sec/veh)	LOS	Delay ⁽¹⁾ (sec/veh)
Signal	France Ave at Hazelton Rd	A (C)	9	B (D)	12
Thru-Stop	France Ave at 72 nd St	A (A)	6	A (B)	10

Thru-Stop	France Ave at Business Access	A (A)	3	A (A)	6
Signal	France Ave at Gallagher Dr	B (C)	11	B (D)	17
Signal	France Ave at Parklawn Ave	B (C)	13	B (D)	17

C = Overall LOS, (D) = Worst movement LOS, (1) = Overall Delay (worst movement for thru-stop intersections)

D. Vehicle Queuing Analysis

A queuing analysis for the 2025 No Build/Build and 2030 future Build conditions was conducted, evaluating the anticipated vehicle queues with the proposed traffic conditions. The analysis was conducted using the SimTraffic simulation software.

Results from the 2025 No Build indicate that the following turn lanes are expected to have maximum queues that reach beyond the existing turn lane storage:

- Westbound left-turn lane on Hazelton Road at France Avenue
- Westbound and eastbound left-turn lanes on Parklawn Avenue at France Avenue

The results found that during both the AM and PM peak hours in 2025 and 2030 with the updated proposed site redevelopment, the only turn lane in addition to the ones listed for the 2025 No-Build condition that is expected to have a maximum queue exceeding the available turn lanes storage is the westbound left-turn lane on Gallagher Drive at France Avenue. Maximum queues on the westbound approach are expected to reach slightly over 200 feet by year 2030 in the PM peak hour. However, average westbound left-turn queues are expected to be less than 100 feet. The left-turn lane is unable to be extended without blocking access to Gallagher Drive from the parcel to the south. Queueing space along the new local road is available and will likely be used during peak hours.

Multi Modal Review / Analysis

A. Pedestrian/Bike System

The City's current 2040 Comprehensive Plan addresses locations of existing and proposed sidewalk and bicycle facilities within the City. The proposed Sidewalk and Bicycle Facilities are shown in **Figure 8** and **Figure 9**. The City of Edina is committed to providing a comprehensive and coordinated pedestrian network that provides transportation as well as recreational value.

Currently there are several pedestrian and bike facilities that could be accessed from the proposed redevelopment site including:

- Pedestrian / Bike Trail on east side of France Avenue.
- Pedestrian / Bike Trail on west side of France Avenue.
- Nine Mile Creek Regional Trail on south side of Gallagher Drive.
- Pedestrian / Bike Trail in the Centennial Lakes Promenade east of the site.

The City's Comprehensive Plan does not identify any new pedestrian or bike facilities in the area of the site redevelopment. The proposed redevelopment site plan does however include a new east / west pedestrian plaza, expansion of the Centennial Lakes Promenade and new sidewalk connections from the site to the existing pedestrian / bike facilities.

B. Transit System

Metro Transit Route 6 provides service adjacent to the redeveloped site on France Avenue. The route provides local bus service from the U of M through downtown Minneapolis to the Southdale Transit Center down France Avenue, serving the areas on the northside of I-494 in Bloomington.

The route operates during the weekdays, weekends, and holidays with 30-to-60-minute headways. Bus stops are currently provided on France Avenue at Hazelton Road, 72nd Street, Gallagher Drive and Parklawn Avenue.

The nearest Park & Ride facility is at the Southdale Transit Center. The Transit Center is located southwest of the York Avenue and 66th Street intersection, on the east side of Southdale Center. The site currently includes approximately 70 surface Park & Ride parking spaces, with overflow parking for additional vehicles east of the Southdale Center ring road. Transit service is provided to the center from seven primary routes. The Transit Center is currently planned to be relocated to the north side of the Southdale Center.

No changes in the existing transit service are planned with the proposed site redevelopment.

Figure 8 - Proposed Sidewalk Facilities

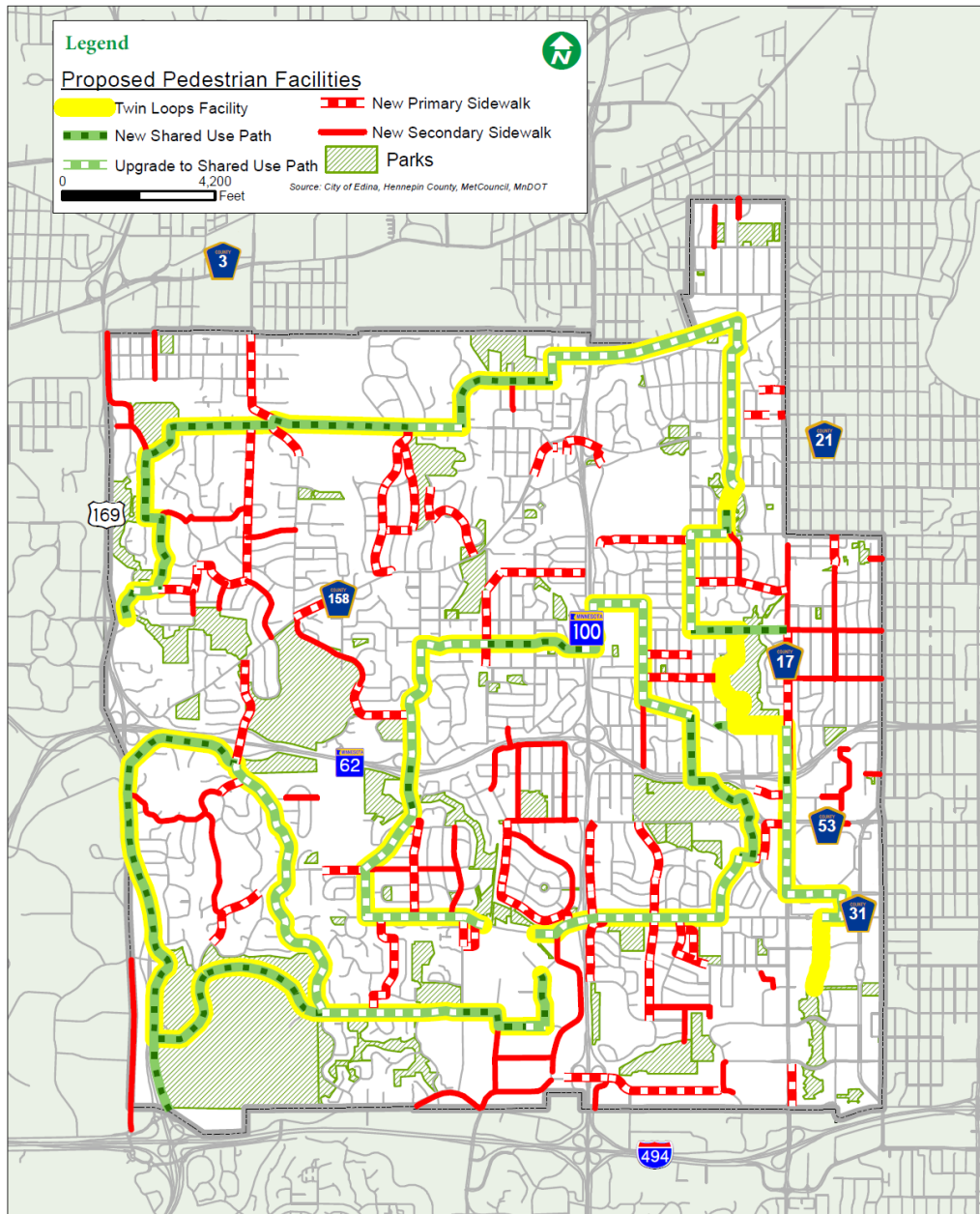
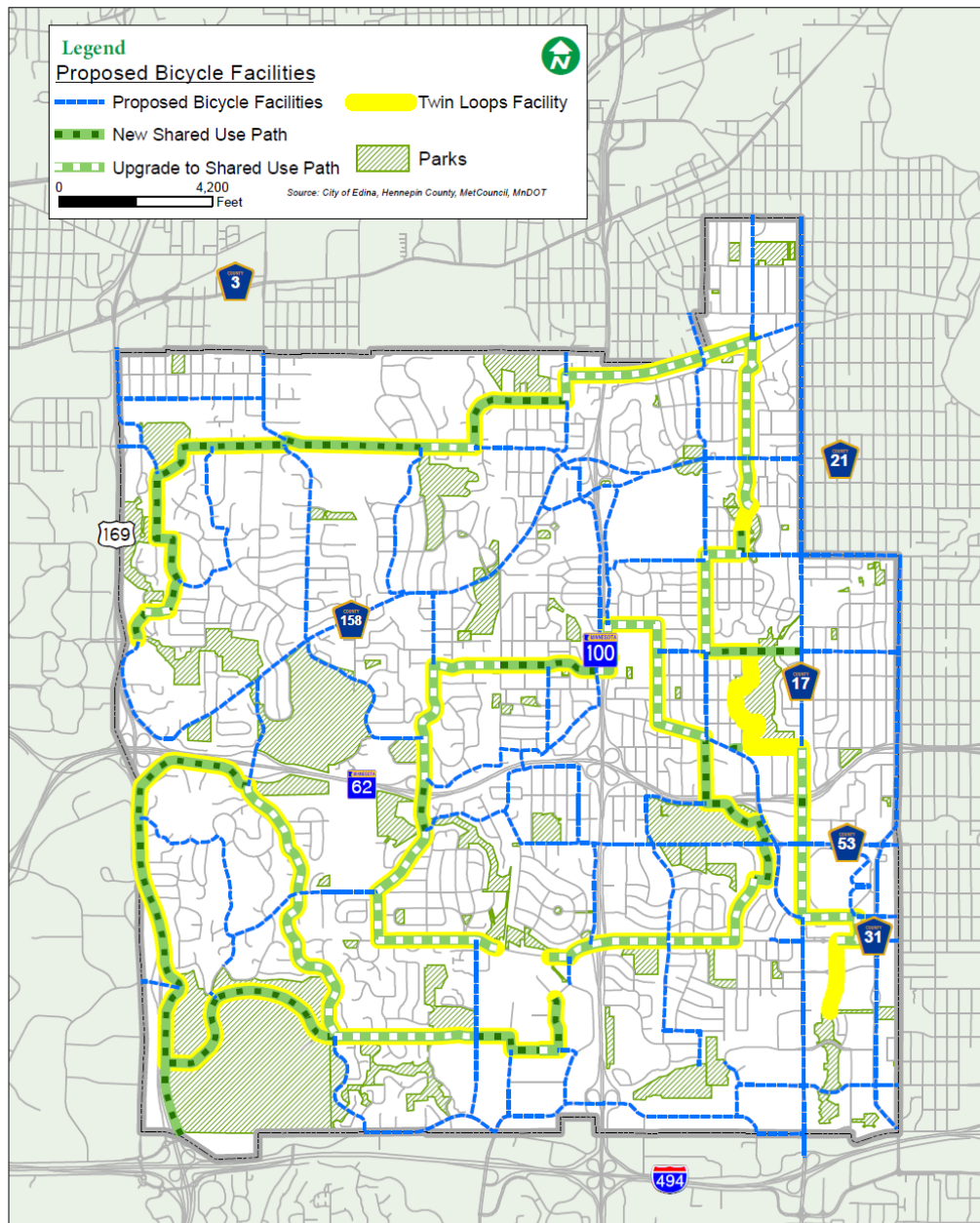


Figure 9 - Proposed Bike Facilities



Parking Impact Analysis

The parking demand for the proposed site redevelopment was analyzed based on the anticipated uses on the site. Based on the current City Code the proposed site redevelopment would require a total of 1,117 parking spaces. The current concept site plan includes 1,322 spaces. **Table 9** shows a breakdown of the parking required per City Code.

Table 9 - Parking Required per City Code

Use	Size	Rate	Parking Required	Parking Provided
Office	70,011 sf	1/300sf	234	1,322
Multi-Family	523 units	1.25/unit	654	
Senior Condos	52 units	1.25/unit	65	
Commercial	12,600 sf	1/250 sf	51	
Restaurant	9,060 sf	1/100 sf + 1/employee on major shift + 1/loading dock	113 estimate	

Source: City of Edina

The parking demand was also analyzed based on industry standards. The parking generation rates used to estimate the parking demand was based on surveys of the parking generation for other similar land uses as documented in the Institute of Transportation Engineers *Parking Generation Manual*, 5th Edition.

Table 10 below shows the estimated parking generation rate and the anticipated peak parking demand on a typical weekday (Monday – Thursday)

Table 10 - Site Parking Demand per ITE

Use	Size	Rate	Parking Required
Office	70,011 sf	3.45 / 1000 sf	242
Multi-Family	523 units	1.2 / unit	628
Senior Condos	52 units	0.9/unit	47
Commercial	12,600 sf	4.7/ 1000 sf	60
Restaurant	9,060 sf	7/ 1000 sf	64

Source: Institute of Transportation Engineers *Parking Generation Manual*, 5th Edition

Based on the results of the parking demand analysis, the parking stalls included in the proposed concept site plan would meet City Code requirements (1,117 parking stalls). It would also meet the guidelines based on industry standards (1,041 parking stalls).

Although a majority of the parking is located in garages, the northwest building is proposing 10 angled surface parking stalls and a drop off/ pickup area north of the building. Two surface parking stalls are also proposed east of the northwest building. The angled parking stalls north of the building could potentially cause a safety issue with the northbound free right-turning vehicles from France conflicting with vehicles backing out of the parking stalls.

Travel Demand Management

The City of Edina has adopted a Travel Demand Management (TDM) policy that emphasis the reduction of vehicular trips on congested roadways during peak travel times. For the proposed 7235 France Avenue site redevelopment, a Tier 1 Plan is required based on requirement “a” 50 or more residential units and “b” 100 or more automobile parking stalls required by City Code.

Tier 1 TDM plan is required when any of the following are met:

- a. 50 or more residential units;
- b. 100 or more automobile parking stalls required by City Code; or
- c. Flexibility sought from parking required by City Code; or
- d. Other development/redevelopment as required by Council condition.

A Tier 1 Plan requires developers to demonstrate that the proposed project is designed in ways that support TDM. This requires identifying strategies aimed at reducing employee and visitor traffic volumes during peak travel hours. Based on the policy, the following shall be included in a Tier 1 TDM Plan:

Tier 1 TDM Plan shall include:

- a. Strategies, implementation measures and timeline. A minimum of five (5) unique strategies must be identified for implementation.
- b. Anticipated single-occupancy vehicle (SOV) trip reduction.
- c. Goals, including peak and total SOV trip reduction goals.
- d. Evaluation measures and process to track implementation and determine the effectiveness of the TDM strategies and progress toward achieving the SOV trip reduction goals.
- e. Proposed total expenditures to implement the TDM strategies.

Based on these requirements **Table 11** outlines some recommended TDM strategies for the site that could be implemented by the developer:

Table 11 - TDM Strategies

Strategy	Implementation Measures	Timeline	Cost
Providing bicycle parking spaces exceeding City requirements.	• Include on site plan	• With site plan approval • Construct with site improvements	• TBD
Providing maps that show the area bus routes, light rail and bus schedules, and bicycle and pedestrian facilities.	• Create map or use available maps • Have available on Website	• With occupancy	• TBD

Directional signage/information for adjacent pedestrian, bicycle and transit facilities.	• Include on site plan	• With site plan approval • Construct with site improvements	• TBD
Restricting freight deliveries to off peak hours to avoid traffic conflicts on adjacent roadways.	• Coordination with vendors	• Verification with occupancy • On-going	• TBD
Transit fare discount to residents, increased cost for parking spots within building.	• Have information available on website	• Verification with occupancy • On-going	• TBD

Conclusions / Recommendations

Based on the analysis documented in this report, WSB offers the following conclusions and recommendations:

- The existing Macy's Furniture store located on the east side of France Avenue (CSAH 17) Between 72nd Street and Gallagher Drive is proposed to be removed.
- The updated proposed site redevelopment is proposed to include 70,011 square feet of office, 523 multi-family residential units, 52 senior condos, and 21,660 square feet of commercial/restaurant. The updated site is expected to generate 4,544 daily, 416 AM peak hour and 439 PM peak hour trips. Access to the site will be maintained at the existing access locations on France Avenue at the Business Access driveway and Gallagher Drive. The current concept plan provides 1,322 parking spaces for the site.
- The crash data shows that based on the past 5 years, the intersections on France Avenue have calculated crash rates that are below the MnDOT Statewide average rates.
- The traffic operations analysis evaluated impacts for existing conditions and the horizon years of 2025 and 2030 for the local roadway network, specifically, the following intersections in the vicinity of the proposed site redevelopment:
 - France Avenue (CSAH 17) at Hazelton Road
 - France Avenue (CSAH 17) at 72nd Street
 - France Avenue (CSAH 17) at Business Access
 - France Avenue (CSAH 17) at Gallagher Drive
 - France Avenue (CSAH 17) at Parklawn Avenue
- With the existing conditions based on the current lane geometry, traffic control and existing 2023 traffic volumes, the analysis results show that all intersections are operating at overall LOS B or better during both the AM and PM peak hours with all movements operating at LOS C.
- With the 2025 no-build conditions based on the current lane geometry, traffic control and projected 2025 no-build traffic volumes, the analysis results show that all intersections will continue to operate at overall LOS B or better during both the AM and PM peak hours with all movements operating at LOS C or better, except the France Avenue northbound left turn at Hazelton Road which would operate at LOS D in the PM peak hour.
- With the 2025 and 2030 build conditions based on the current lane geometry, traffic control and projected 2025 build traffic volumes, the analysis results show that all intersections will continue to operate at overall LOS B or better during both the AM and PM peak hours with all movements operating at LOS C or better, except the France Avenue northbound left turn at Hazelton Road,

northbound France Avenue left turn at Gallagher Drive, France Avenue northbound and southbound left-turns at Parklawn Avenue, and eastbound through movement at Parklawn Avenue during the PM peak hour.

- Results from the 2025 No Build indicate that several turn lanes are expected to have maximum queues that reach beyond the existing turn lane storage: westbound left-turn lane on Hazelton Road at France Avenue and westbound and eastbound left-turn lanes on Parklawn Avenue at France Avenue.
- The results found that during both the AM and PM peak hours in 2025 and 2030 with the updated proposed site redevelopment, the only turn lane in addition to the ones listed for the 2025 No-Build condition that is expected to have a maximum queue exceeding the available turn lanes storage is the westbound left-turn lane on Gallagher Drive at France Avenue. Maximum queues on the westbound approach are expected to reach slightly over 200 feet by year 2030 in the PM peak hour. However, average westbound left-turn queues are expected to be less than 100 feet. The left-turn lane is unable to be extended without blocking access to Gallagher Drive from the parcel to the south. Queueing space along the new local road is available and will likely be used during peak hours.

Based on the above conclusions no roadway improvements are recommended at this time.

- The City's Comprehensive Plan does not identify any pedestrian or bicycle facilities in the area adjacent to the site.

The pedestrian improvements identified in the concept site plan should be completed with the proposed project.

- There is currently transit bus service provided directly adjacent to the site along France Avenue. In addition, the Southdale Transit Center is located north of the site.

No additional Transit improvements would be required.

- Based on the results of the parking demand analysis, the number of parking stalls included with the updated proposed site plan would meet City Code and industry standard requirements.

No parking improvements or parking variance would be required.

- The City of Edina has adopted a Travel Demand Management (TDM) Policy that requires developers to demonstrate that the proposed project is designed in ways that support TDM. This requires identifying strategies aimed at reducing employee and visitor traffic volumes during peak travel hours. The proposed redevelopment site proposal would require a Tier 1 TDM Plan.

Based on the requirements, some potential TDM strategies for the site that could be implemented by the developer include:

- ***Providing bicycle parking spaces exceeding City requirements.***
- ***Providing maps that show the area bus routes, light rail and bus schedules, and bicycle and pedestrian facilities.***
- ***Directional signage/information for adjacent pedestrian, bicycle and transit facilities.***
- ***Restricting freight deliveries to off-peak hours to avoid traffic conflicts on adjacent roadways.***
- ***Transit fare discount to residents, increased cost for parking spots within building.***

APPENDIX A

Existing Traffic Counts



701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Hazelton Rd
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Hazelton Rd
Site Code : 1
Start Date : 4/11/2023
Page No : 1

Groups Printed- vehicles & peds

	France Ave From North					Hazelton Rd From East					France Ave From South					Hazelton Rd From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	2	26	2	0	30	1	0	4	1	6	6	37	2	0	45	1	0	2	0	3	84
06:15 AM	0	67	7	0	74	4	0	3	0	7	8	38	3	0	49	1	2	0	0	3	133
06:30 AM	0	36	4	0	40	3	0	3	0	6	2	77	0	0	79	3	0	1	0	4	129
06:45 AM	0	74	12	0	86	10	1	5	1	17	9	104	0	0	113	1	3	0	0	4	220
Total	2	203	25	0	230	18	1	15	2	36	25	256	5	0	286	6	5	3	0	14	566
07:00 AM	0	72	17	1	90	7	1	5	1	14	13	91	2	2	108	0	1	5	1	7	219
07:15 AM	0	122	17	0	139	19	4	16	0	39	17	108	1	2	128	1	2	4	1	8	314
07:30 AM	0	153	15	0	168	23	1	19	0	43	14	143	1	0	158	0	0	2	0	2	371
07:45 AM	3	185	24	0	212	22	0	19	0	41	20	137	1	0	158	0	2	3	0	5	416
Total	3	532	73	1	609	71	6	59	1	137	64	479	5	4	552	1	5	14	2	22	1320
08:00 AM	1	195	29	0	225	13	4	13	0	30	22	163	0	0	185	0	2	2	0	4	444
08:15 AM	1	177	19	0	197	17	1	16	1	35	20	168	1	1	190	1	3	1	0	5	427
08:30 AM	1	183	32	1	217	27	2	22	0	51	15	162	3	2	182	0	1	1	0	2	452
08:45 AM	2	196	27	0	225	21	0	10	0	31	24	183	11	0	218	0	2	0	0	2	476
Total	5	751	107	1	864	78	7	61	1	147	81	676	15	3	775	1	8	4	0	13	1799
03:00 PM	2	237	52	3	294	49	4	36	3	92	49	238	4	1	292	5	6	7	1	19	697
03:15 PM	2	255	39	1	297	36	4	37	0	77	42	266	2	2	312	3	4	4	0	11	697
03:30 PM	1	249	39	1	290	36	4	32	0	72	40	242	1	3	286	0	3	2	2	7	655
03:45 PM	4	196	58	0	258	51	5	28	1	85	52	240	2	3	297	3	2	3	0	8	648
Total	9	937	188	5	1139	172	17	133	4	326	183	986	9	9	1187	11	15	16	3	45	2697
04:00 PM	1	248	54	0	303	45	9	38	0	92	38	303	4	0	345	3	3	2	0	8	748
04:15 PM	3	219	34	1	257	41	4	41	1	87	31	259	3	1	294	2	2	0	2	6	644
04:30 PM	0	250	64	0	314	44	4	34	0	82	48	306	3	2	359	3	5	5	2	15	770
04:45 PM	2	251	39	2	294	36	1	37	3	77	51	317	3	0	371	4	2	6	1	13	755
Total	6	968	191	3	1168	166	18	150	4	338	168	1185	13	3	1369	12	12	13	5	42	2917
05:00 PM	2	231	45	0	278	65	6	39	2	112	49	265	3	1	318	0	4	2	0	6	714
05:15 PM	0	227	33	0	260	38	4	27	0	69	38	309	2	1	350	4	3	1	0	8	687
05:30 PM	2	202	31	0	235	42	5	45	0	92	37	275	2	0	314	0	3	4	0	7	648
05:45 PM	1	183	51	0	235	40	2	29	2	73	31	222	3	2	258	0	3	2	0	5	571
Total	5	843	160	0	1008	185	17	140	4	346	155	1071	10	4	1240	4	13	9	0	26	2620
Grand Total	30	4234	744	10	5018	690	66	558	16	1330	676	4653	57	23	5409	35	58	59	10	162	11919
Apprch %	0.6	84.4	14.8	0.2		51.9	5	42	1.2		12.5	86	1.1	0.4		21.6	35.8	36.4	6.2		
Total %	0.3	35.5	6.2	0.1	42.1	5.8	0.6	4.7	0.1	11.2	5.7	39	0.5	0.2	45.4	0.3	0.5	0.5	0.1	1.4	

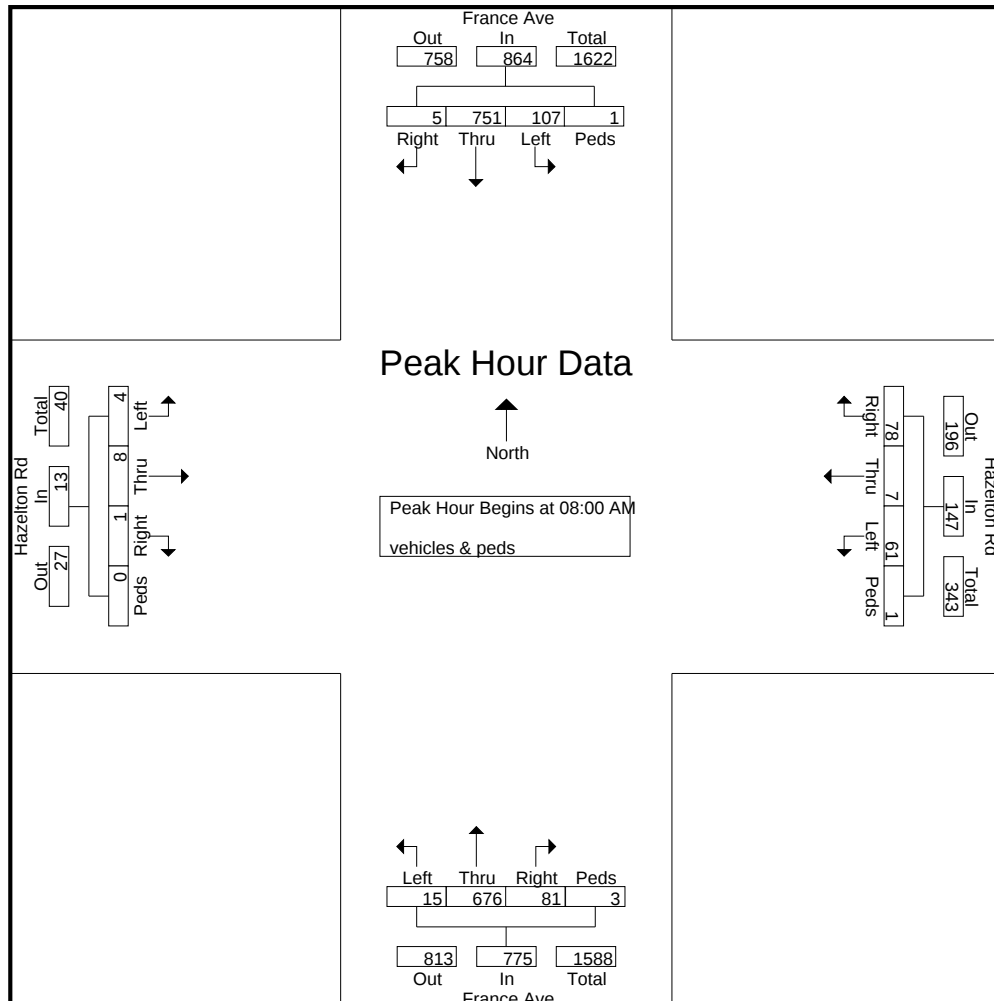


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Hazelton Rd
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Hazelton Rd
Site Code : 1
Start Date : 4/11/2023
Page No : 2

	France Ave From North					Hazelton Rd From East					France Ave From South					Hazelton Rd From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	1	195	29	0	225	13	4	13	0	30	22	163	0	0	185	0	2	2	0	4	444
08:15 AM	1	177	19	0	197	17	1	16	1	35	20	168	1	1	190	1	3	1	0	5	427
08:30 AM	1	183	32	1	217	27	2	22	0	51	15	162	3	2	182	0	1	1	0	2	452
08:45 AM	2	196	27	0	225	21	0	10	0	31	24	183	11	0	218	0	2	0	0	2	476
Total Volume	5	751	107	1	864	78	7	61	1	147	81	676	15	3	775	1	8	4	0	13	1799
% App. Total	0.6	86.9	12.4	0.1		53.1	4.8	41.5	0.7		10.5	87.2	1.9	0.4		7.7	61.5	30.8	0		
PHF	.625	.958	.836	.250	.960	.722	.438	.693	.250	.721	.844	.923	.341	.375	.889	.250	.667	.500	.000	.650	.945



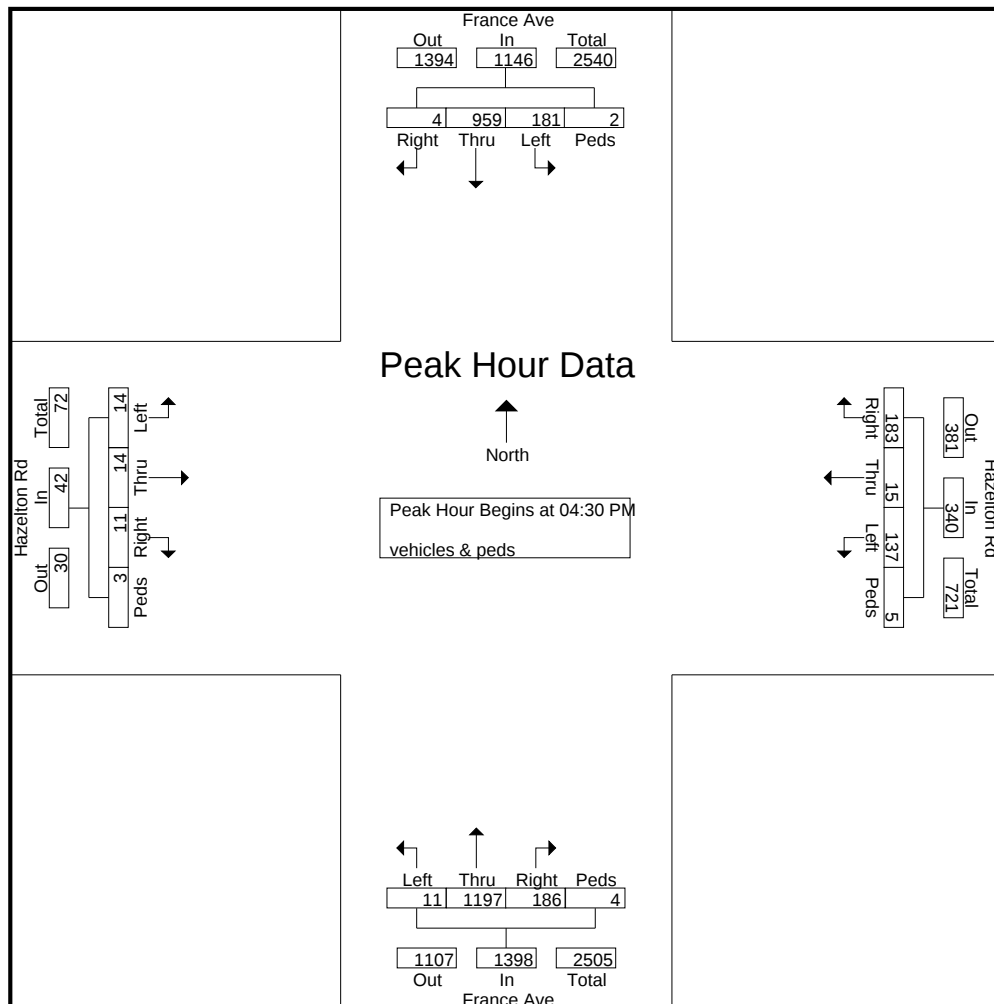


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Hazelton Rd
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Hazelton Rd
Site Code : 1
Start Date : 4/11/2023
Page No : 3

	France Ave From North					Hazelton Rd From East					France Ave From South					Hazelton Rd From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	250	64	0	314	44	4	34	0	82	48	306	3	2	359	3	5	5	2	15	770
04:45 PM	2	251	39	2	294	36	1	37	3	77	51	317	3	0	371	4	2	6	1	13	755
05:00 PM	2	231	45	0	278	65	6	39	2	112	49	265	3	1	318	0	4	2	0	6	714
05:15 PM	0	227	33	0	260	38	4	27	0	69	38	309	2	1	350	4	3	1	0	8	687
Total Volume	4	959	181	2	1146	183	15	137	5	340	186	1197	11	4	1398	11	14	14	3	42	2926
% App. Total	0.3	83.7	15.8	0.2		53.8	4.4	40.3	1.5		13.3	85.6	0.8	0.3		26.2	33.3	33.3	7.1		
PHF	.500	.955	.707	.250	.912	.704	.625	.878	.417	.759	.912	.944	.917	.500	.942	.688	.700	.583	.375	.700	.950





701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & 72nd St
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & 72nd St
Site Code : 2
Start Date : 4/11/2023
Page No : 1

Groups Printed- vehicles & peds

	France Ave From North					72nd St From East					France Ave From South					72nd St From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	1	29	0	0	30	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	34
06:15 AM	0	69	0	0	69	0	0	0	0	0	0	0	0	0	0	3	0	0	1	4	73
06:30 AM	0	45	0	0	45	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	54
06:45 AM	1	79	0	0	80	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	87
Total	2	222	0	0	224	0	0	0	0	0	0	0	0	0	0	23	0	0	1	24	248
07:00 AM	1	76	0	0	77	0	0	0	0	0	0	0	0	0	0	9	0	0	1	10	87
07:15 AM	1	139	0	0	140	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12	152
07:30 AM	3	168	0	1	172	0	0	0	0	0	0	0	0	0	0	26	0	0	2	28	200
07:45 AM	7	202	0	0	209	0	0	0	0	0	0	0	0	0	0	33	0	0	0	33	242
Total	12	585	0	1	598	0	0	0	0	0	0	0	0	0	0	80	0	0	3	83	681
08:00 AM	2	199	0	0	201	0	0	0	0	0	0	0	0	0	0	22	0	0	1	23	224
08:15 AM	3	195	0	0	198	0	0	0	0	0	0	0	0	0	0	21	0	0	2	23	221
08:30 AM	2	205	0	0	207	0	0	0	0	0	0	0	0	0	0	18	0	0	1	19	226
08:45 AM	4	207	0	0	211	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	229
Total	11	806	0	0	817	0	0	0	0	0	0	0	0	0	0	79	0	0	4	83	900
03:00 PM	5	275	0	0	280	0	0	0	0	0	0	0	0	0	0	14	0	0	0	14	294
03:15 PM	6	286	0	0	292	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	298
03:30 PM	3	269	0	1	273	0	0	0	0	0	0	0	0	0	0	13	0	0	1	14	287
03:45 PM	6	231	0	0	237	0	0	0	0	0	0	0	0	0	0	14	0	0	0	14	251
Total	20	1061	0	1	1082	0	0	0	0	0	0	0	0	0	0	47	0	0	1	48	1130
04:00 PM	6	284	0	0	290	0	0	0	0	0	0	0	0	0	0	8	0	0	2	10	300
04:15 PM	2	253	0	0	255	0	0	0	0	0	0	0	0	0	0	20	0	0	8	28	283
04:30 PM	5	288	0	0	293	0	0	0	0	0	0	0	0	0	0	15	0	0	2	17	310
04:45 PM	9	282	0	0	291	0	0	0	0	0	0	0	0	0	0	15	0	0	1	16	307
Total	22	1107	0	0	1129	0	0	0	0	0	0	0	0	0	0	58	0	0	13	71	1200
05:00 PM	1	274	0	0	275	0	0	0	0	0	0	0	0	0	0	19	0	0	5	24	299
05:15 PM	3	256	0	2	261	0	0	0	0	0	0	0	0	0	0	6	0	0	2	8	269
05:30 PM	11	227	0	0	238	0	0	0	0	0	0	0	0	0	0	10	0	0	2	12	250
05:45 PM	4	218	0	0	222	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	228
Total	19	975	0	2	996	0	0	0	0	0	0	0	0	0	0	41	0	0	9	50	1046
Grand Total	86	4756	0	4	4846	0	0	0	0	0	0	0	0	0	0	328	0	0	31	359	5205
Apprch %	1.8	98.1	0	0.1		0	0	0	0		0	0	0	0		91.4	0	0	8.6		
Total %	1.7	91.4	0	0.1	93.1	0	0	0	0	0	0	0	0	0	0	6.3	0	0	0.6	6.9	

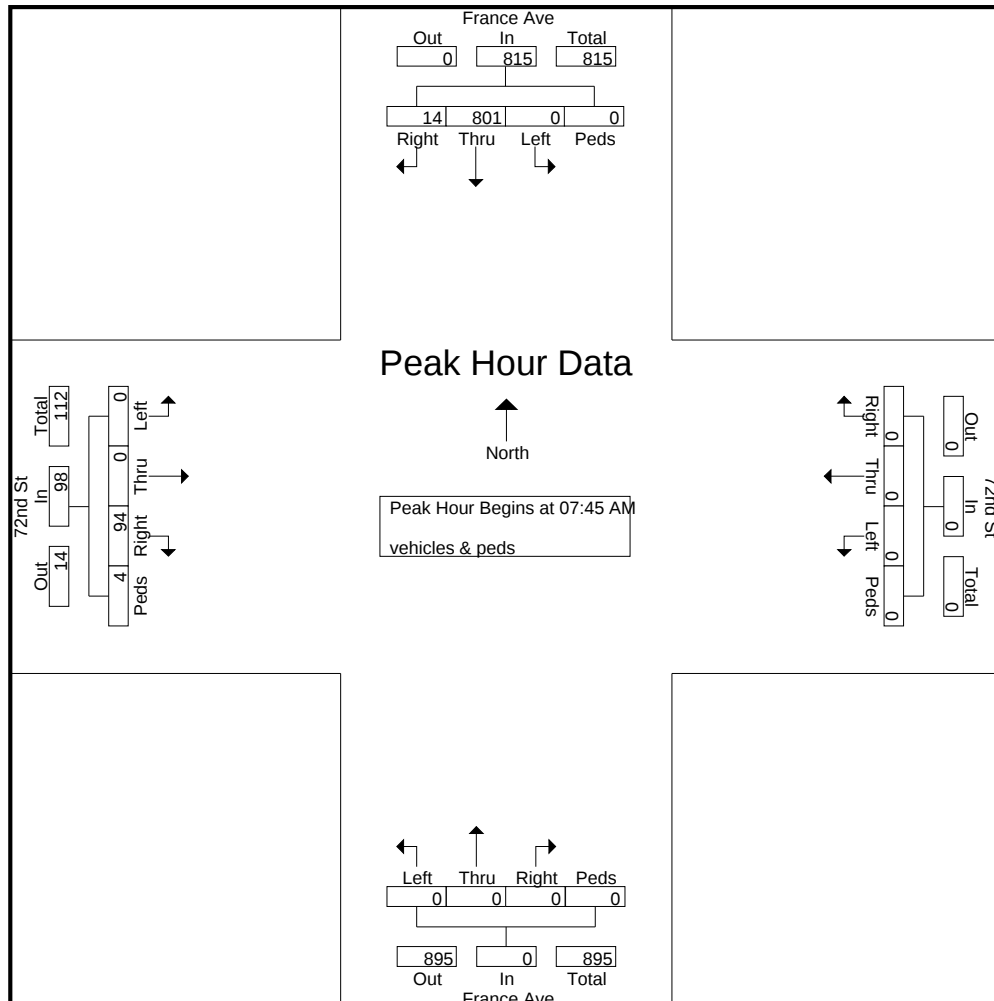


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & 72nd St
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & 72nd St
Site Code : 2
Start Date : 4/11/2023
Page No : 2

	France Ave From North					72nd St From East					France Ave From South					72nd St From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	7	202	0	0	209	0	0	0	0	0	0	0	0	0	0	33	0	0	0	33	242
08:00 AM	2	199	0	0	201	0	0	0	0	0	0	0	0	0	0	22	0	0	1	23	224
08:15 AM	3	195	0	0	198	0	0	0	0	0	0	0	0	0	0	21	0	0	2	23	221
08:30 AM	2	205	0	0	207	0	0	0	0	0	0	0	0	0	0	18	0	0	1	19	226
Total Volume	14	801	0	0	815	0	0	0	0	0	0	0	0	0	0	94	0	0	4	98	913
% App. Total	1.7	98.3	0	0		0	0	0	0		0	0	0	0		95.9	0	0	4.1		
PHF	.500	.977	.000	.000	.975	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.712	.000	.000	.500	.742	.943



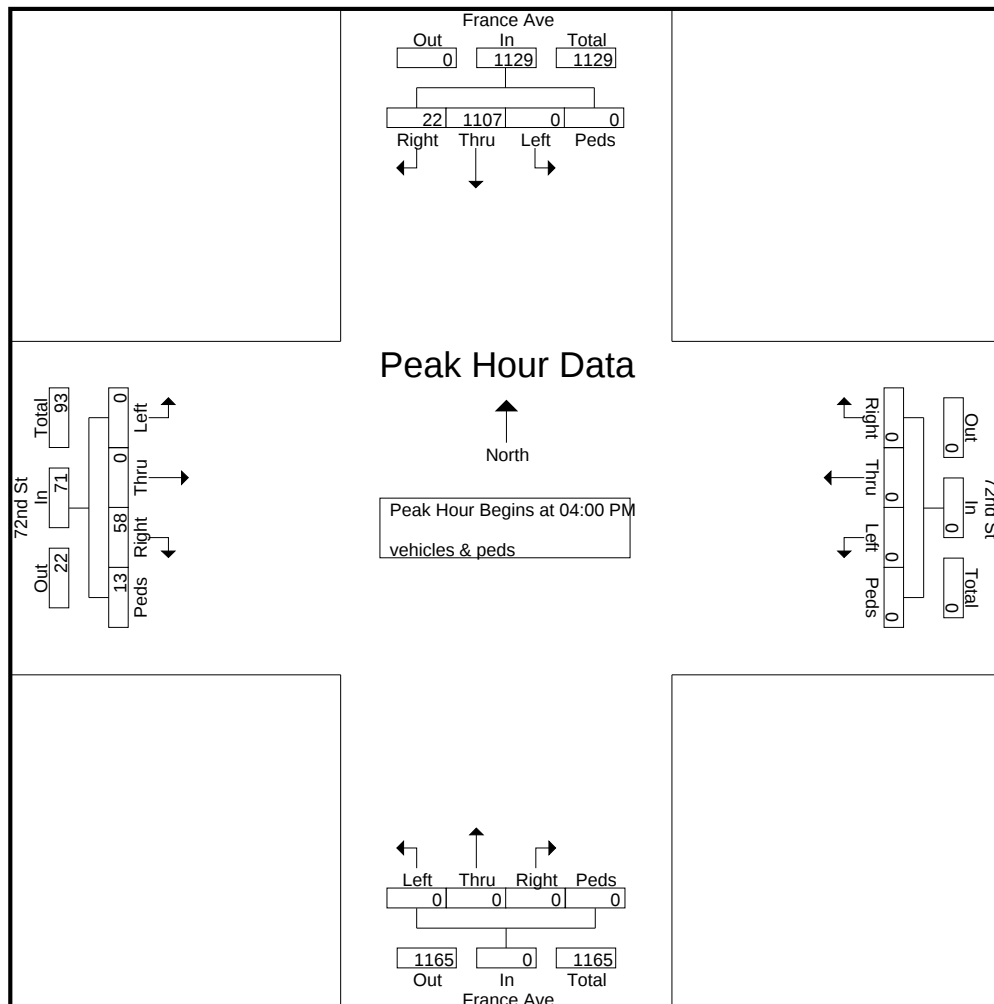


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & 72nd St
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & 72nd St
Site Code : 2
Start Date : 4/11/2023
Page No : 3

	France Ave From North					72nd St From East					France Ave From South					72nd St From West					
Start Time	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Right	Thr u	Left	Peds	App. Total	Right	Thr u	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	6	284	0	0	290	0	0	0	0	0	0	0	0	0	0	8	0	0	2	10	300
04:15 PM	2	253	0	0	255	0	0	0	0	0	0	0	0	0	0	20	0	0	8	28	283
04:30 PM	5	288	0	0	293	0	0	0	0	0	0	0	0	0	0	15	0	0	2	17	310
04:45 PM	9	282	0	0	291	0	0	0	0	0	0	0	0	0	0	15	0	0	1	16	307
Total Volume	22	1107	0	0	1129	0	0	0	0	0	0	0	0	0	0	58	0	0	13	71	1200
% App. Total	1.9	98.1	0	0		0	0	0	0	0	0	0	0	0	0	81.7	0	0	18.3		
PHF	.611	.961	.000	.000	.963	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.725	.000	.000	.406	.634	.968





701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Business Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Business Access
Site Code : 3
Start Date : 4/11/2023
Page No : 1

Groups Printed- vehicles & peds

	France Ave From North					Business Access From East					France Ave From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	0	0	0	0	0	2	0	0	0	2	1	43	0	0	44	0	0	0	0	0	46
06:15 AM	0	0	0	0	0	0	0	0	0	0	4	50	2	0	56	0	0	0	0	0	56
06:30 AM	0	0	0	0	0	6	0	0	0	6	5	73	1	0	79	0	0	0	0	0	85
06:45 AM	0	0	0	0	0	6	0	0	0	6	10	110	6	1	127	0	0	0	0	0	133
Total	0	0	0	0	0	14	0	0	0	14	20	276	9	1	306	0	0	0	0	0	320
07:00 AM	0	0	0	0	0	8	0	0	0	8	8	94	11	0	113	0	0	0	0	0	121
07:15 AM	0	0	0	0	0	11	0	0	0	11	4	117	12	0	133	0	0	0	0	0	144
07:30 AM	0	0	0	0	0	11	0	0	0	11	11	152	23	0	186	0	0	0	0	0	197
07:45 AM	0	0	0	0	0	8	0	0	0	8	9	147	11	0	167	0	0	0	0	0	175
Total	0	0	0	0	0	38	0	0	0	38	32	510	57	0	599	0	0	0	0	0	637
08:00 AM	0	0	0	0	0	17	0	0	0	17	11	161	13	0	185	0	0	0	0	0	202
08:15 AM	0	0	0	1	1	15	0	0	2	17	8	174	8	0	190	0	0	0	0	0	208
08:30 AM	0	0	0	0	0	7	0	0	0	7	13	175	1	0	189	0	0	0	0	0	196
08:45 AM	0	0	0	0	0	16	0	0	0	16	11	198	3	0	212	0	0	0	0	0	228
Total	0	0	0	1	1	55	0	0	2	57	43	708	25	0	776	0	0	0	0	0	834
03:00 PM	0	0	0	0	0	20	0	0	1	21	21	270	6	0	297	0	0	0	0	0	318
03:15 PM	0	0	0	0	0	20	0	0	0	20	23	294	12	0	329	0	0	0	0	0	349
03:30 PM	0	0	0	0	0	12	0	0	1	13	18	265	9	1	293	0	0	0	0	0	306
03:45 PM	0	0	0	0	0	31	0	0	0	31	17	276	18	0	311	0	0	0	0	0	342
Total	0	0	0	0	0	83	0	0	2	85	79	1105	45	1	1230	0	0	0	0	0	1315
04:00 PM	0	0	0	0	0	21	0	0	1	22	17	311	15	0	343	0	0	0	0	0	365
04:15 PM	0	0	0	0	0	24	0	0	2	26	22	275	18	0	315	0	0	0	0	0	341
04:30 PM	0	0	0	0	0	22	0	0	0	22	23	329	7	1	360	0	0	0	0	0	382
04:45 PM	0	0	0	0	0	28	0	0	3	31	18	342	21	1	382	0	0	0	0	0	413
Total	0	0	0	0	0	95	0	0	6	101	80	1257	61	2	1400	0	0	0	0	0	1501
05:00 PM	0	0	0	0	0	19	0	0	1	20	23	296	19	0	338	0	0	0	0	0	358
05:15 PM	0	0	0	0	0	26	0	0	1	27	32	332	20	0	384	0	0	0	0	0	411
05:30 PM	0	0	0	0	0	21	0	0	0	21	23	288	11	0	322	0	0	0	0	0	343
05:45 PM	0	0	0	0	0	18	0	0	1	19	19	236	16	0	271	0	0	0	0	0	290
Total	0	0	0	0	0	84	0	0	3	87	97	1152	66	0	1315	0	0	0	0	0	1402
Grand Total	0	0	0	1	1	369	0	0	13	382	351	5008	263	4	5626	0	0	0	0	0	6009
Apprch %	0	0	0	100		96.6	0	0	3.4		6.2	89	4.7	0.1		0	0	0	0		
Total %	0	0	0	0	0	6.1	0	0	0.2	6.4	5.8	83.3	4.4	0.1	93.6	0	0	0	0	0	

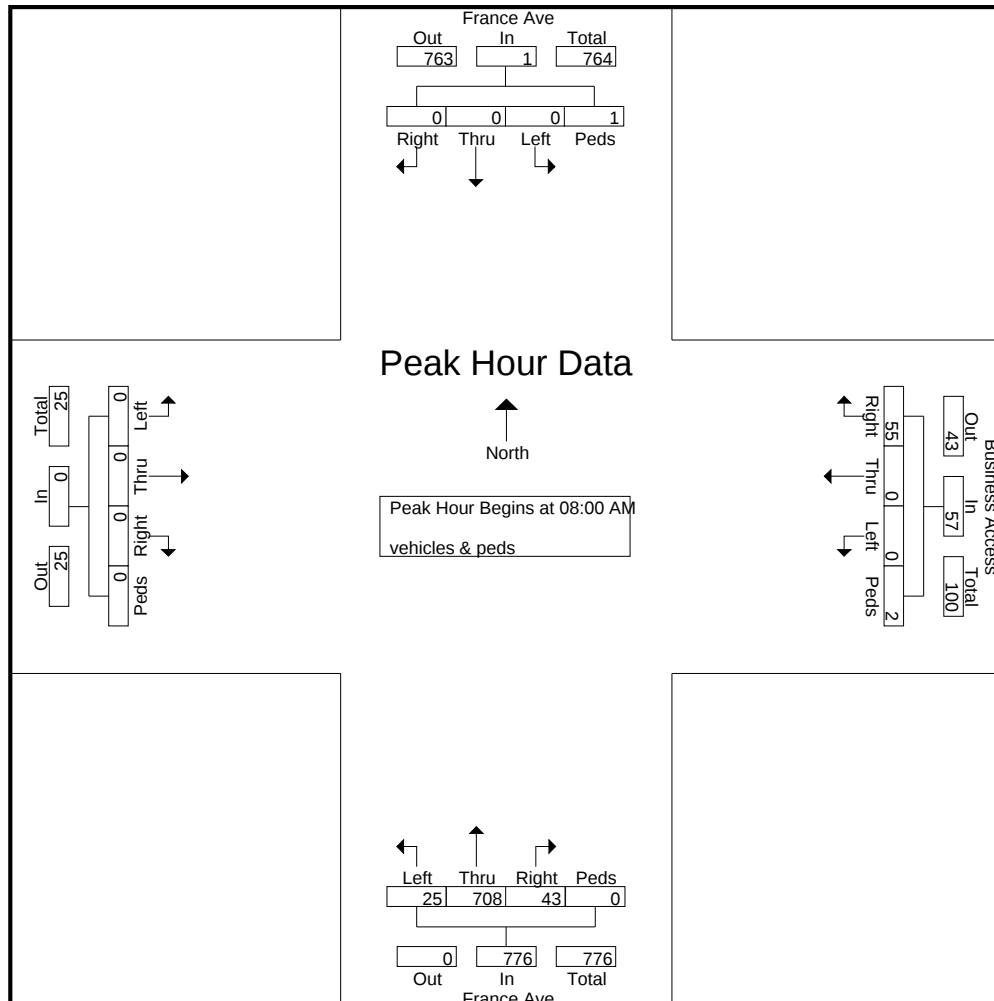


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Business Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Business Access
Site Code : 3
Start Date : 4/11/2023
Page No : 2

	France Ave From North					Business Access From East					France Ave From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	0	0	0	0	0	17	0	0	0	17	11	161	13	0	185	0	0	0	0	0	202
08:15 AM	0	0	0	1	1	15	0	0	2	17	8	174	8	0	190	0	0	0	0	0	208
08:30 AM	0	0	0	0	0	7	0	0	0	7	13	175	1	0	189	0	0	0	0	0	196
08:45 AM	0	0	0	0	0	16	0	0	0	16	11	198	3	0	212	0	0	0	0	0	228
Total Volume	0	0	0	1	1	55	0	0	2	57	43	708	25	0	776	0	0	0	0	0	834
% App. Total	0	0	0	100		96.5	0	0	3.5		5.5	91.2	3.2	0		0	0	0	0		
PHF	.000	.000	.000	.250	.250	.809	.000	.000	.250	.838	.827	.894	.481	.000	.915	.000	.000	.000	.000	.000	.914



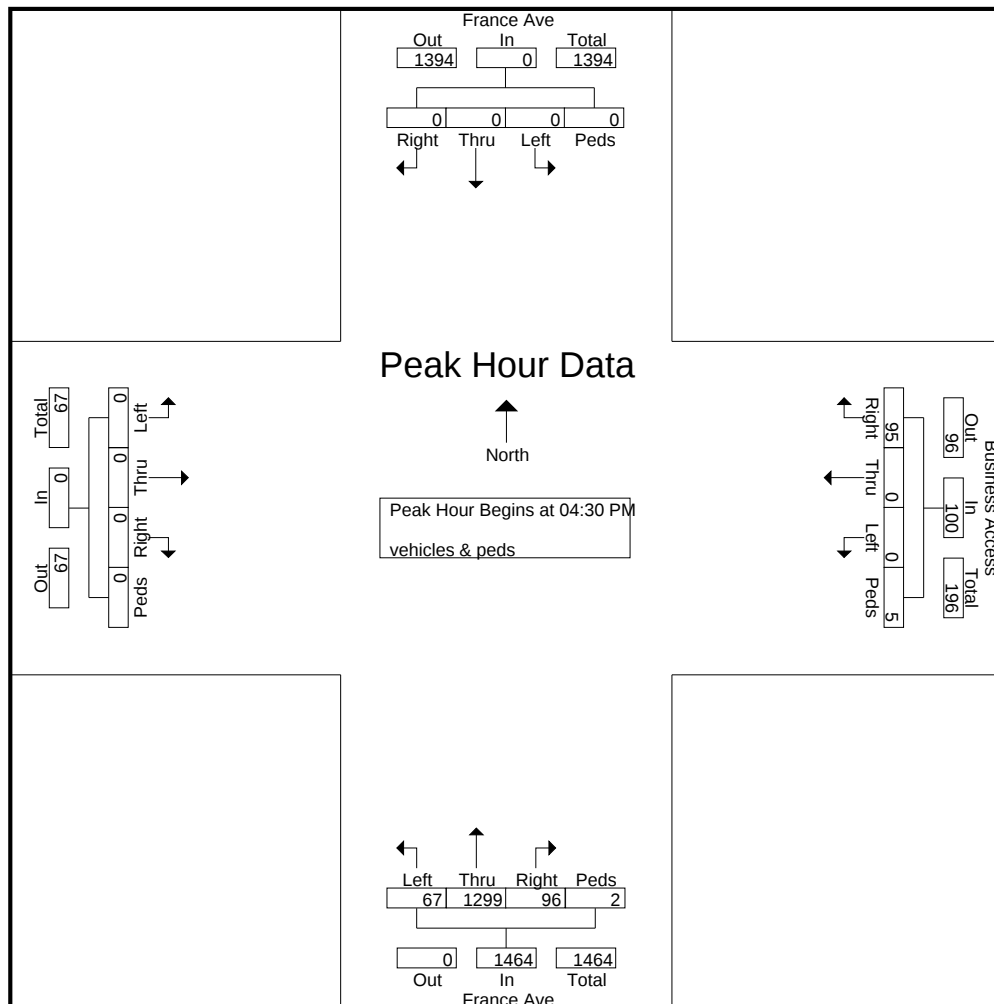


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Business Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Business Access
Site Code : 3
Start Date : 4/11/2023
Page No : 3

	France Ave From North					Business Access From East					France Ave From South					From West					
Start Time	Rig ht	Thr u	Left	Ped s	App. Total	Rig ht	Thr u	Left	Ped s	App. Total	Right	Thr u	Left	Peds	App. Total	Right	Thr u	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	0	0	22	0	0	0	22	23	329	7	1	360	0	0	0	0	0	382
04:45 PM	0	0	0	0	0	28	0	0	3	31	18	342	21	1	382	0	0	0	0	0	413
05:00 PM	0	0	0	0	0	19	0	0	1	20	23	296	19	0	338	0	0	0	0	0	358
05:15 PM	0	0	0	0	0	26	0	0	1	27	32	332	20	0	384	0	0	0	0	0	411
Total Volume	0	0	0	0	0	95	0	0	5	100	96	1299	67	2	1464	0	0	0	0	0	1564
% App. Total	0	0	0	0	0	95	0	0	5		6.6	88.7	4.6	0.1		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.848	.000	.000	.417	.806	.750	.950	.798	.500	.953	.000	.000	.000	.000	.000	.947





701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Gallagher Dr
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Gallagher Dr
Site Code : 4
Start Date : 4/11/2023
Page No : 1

Groups Printed- vehicles & peds

	France Ave From North					Gallagher Dr From East					France Ave From South					Gallagher Dr From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	1	31	1	0	33	0	0	0	1	1	2	40	0	2	44	0	0	4	0	4	82
06:15 AM	1	68	3	1	73	1	0	1	0	2	1	49	0	1	51	1	0	6	0	7	133
06:30 AM	3	48	3	0	54	0	0	1	0	1	1	72	0	2	75	2	0	7	0	9	139
06:45 AM	3	81	2	1	87	0	0	6	0	6	1	110	5	3	119	3	1	18	0	22	234
Total	8	228	9	2	247	1	0	8	1	10	5	271	5	8	289	6	1	35	0	42	588
07:00 AM	6	74	4	0	84	2	1	3	0	6	1	100	5	2	108	3	1	9	0	13	211
07:15 AM	11	135	5	0	151	3	0	7	0	10	3	114	10	3	130	9	0	16	0	25	316
07:30 AM	9	178	6	0	193	0	0	7	0	7	8	161	11	3	183	11	0	27	2	40	423
07:45 AM	25	198	6	0	229	0	1	9	0	10	7	147	10	1	165	7	0	15	0	22	426
Total	51	585	21	0	657	5	2	26	0	33	19	522	36	9	586	30	1	67	2	100	1376
08:00 AM	13	198	6	0	217	4	2	16	0	22	8	172	15	3	198	10	0	13	3	26	463
08:15 AM	20	201	5	0	226	0	1	7	0	8	5	170	8	2	185	7	0	18	2	27	446
08:30 AM	16	201	4	0	221	3	0	10	0	13	9	172	10	5	196	4	0	14	1	19	449
08:45 AM	20	202	6	1	229	2	0	7	3	12	7	208	17	8	240	6	0	6	0	12	493
Total	69	802	21	1	893	9	3	40	3	55	29	722	50	18	819	27	0	51	6	84	1851
03:00 PM	22	246	19	0	287	22	1	29	1	53	17	255	8	8	288	13	2	17	1	33	661
03:15 PM	24	249	22	0	295	26	0	19	0	45	26	272	6	5	309	10	0	29	0	39	688
03:30 PM	13	239	19	0	271	13	0	25	2	40	22	265	12	6	305	8	0	10	0	18	634
03:45 PM	11	210	31	0	252	24	1	33	0	58	17	255	5	8	285	9	3	27	0	39	634
Total	70	944	91	0	1105	85	2	106	3	196	82	1047	31	27	1187	40	5	83	1	129	2617
04:00 PM	23	251	26	0	300	19	2	20	1	42	17	310	16	11	354	11	2	11	2	26	722
04:15 PM	23	220	17	0	260	20	1	23	1	45	14	279	11	12	316	15	1	24	3	43	664
04:30 PM	23	261	19	1	304	15	4	22	2	43	13	321	7	3	344	13	0	19	1	33	724
04:45 PM	20	260	24	0	304	18	5	21	1	45	30	332	8	7	377	8	0	20	1	29	755
Total	89	992	86	1	1168	72	12	86	5	175	74	1242	42	33	1391	47	3	74	7	131	2865
05:00 PM	23	241	29	0	293	24	3	17	0	44	10	305	9	23	347	12	1	16	6	35	719
05:15 PM	25	230	21	0	276	18	2	28	1	49	34	334	6	6	380	14	1	19	0	34	739
05:30 PM	20	193	16	0	229	16	4	15	0	35	36	295	9	17	357	6	2	11	0	19	640
05:45 PM	16	185	25	0	226	29	4	24	1	58	20	219	7	13	259	3	0	20	0	23	566
Total	84	849	91	0	1024	87	13	84	2	186	100	1153	31	59	1343	35	4	66	6	111	2664
Grand Total	371	4400	319	4	5094	259	32	350	14	655	309	4957	195	154	5615	185	14	376	22	597	11961
Apprch %	7.3	86.4	6.3	0.1		39.5	4.9	53.4	2.1		5.5	88.3	3.5	2.7		31	2.3	63	3.7		
Total %	3.1	36.8	2.7	0	42.6	2.2	0.3	2.9	0.1	5.5	2.6	41.4	1.6	1.3	46.9	1.5	0.1	3.1	0.2	5	

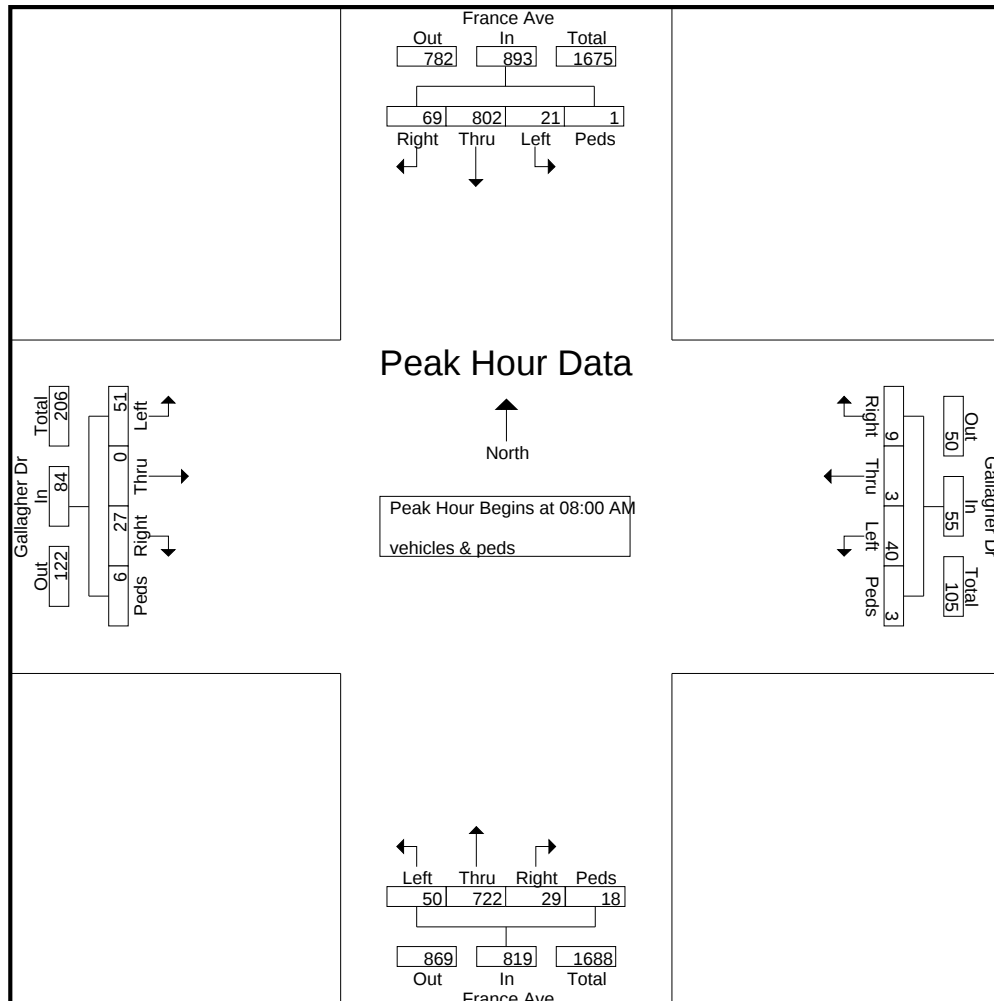


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Gallagher Dr
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Gallagher Dr
Site Code : 4
Start Date : 4/11/2023
Page No : 2

	France Ave From North					Gallagher Dr From East					France Ave From South					Gallagher Dr From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	13	198	6	0	217	4	2	16	0	22	8	172	15	3	198	10	0	13	3	26	463
08:15 AM	20	201	5	0	226	0	1	7	0	8	5	170	8	2	185	7	0	18	2	27	446
08:30 AM	16	201	4	0	221	3	0	10	0	13	9	172	10	5	196	4	0	14	1	19	449
08:45 AM	20	202	6	1	229	2	0	7	3	12	7	208	17	8	240	6	0	6	0	12	493
Total Volume	69	802	21	1	893	9	3	40	3	55	29	722	50	18	819	27	0	51	6	84	1851
% App. Total	7.7	89.8	2.4	0.1		16.4	5.5	72.7	5.5		3.5	88.2	6.1	2.2		32.1	0	60.7	7.1		
PHF	.863	.993	.875	.250	.975	.563	.375	.625	.250	.625	.806	.868	.735	.563	.853	.675	.000	.708	.500	.778	.939



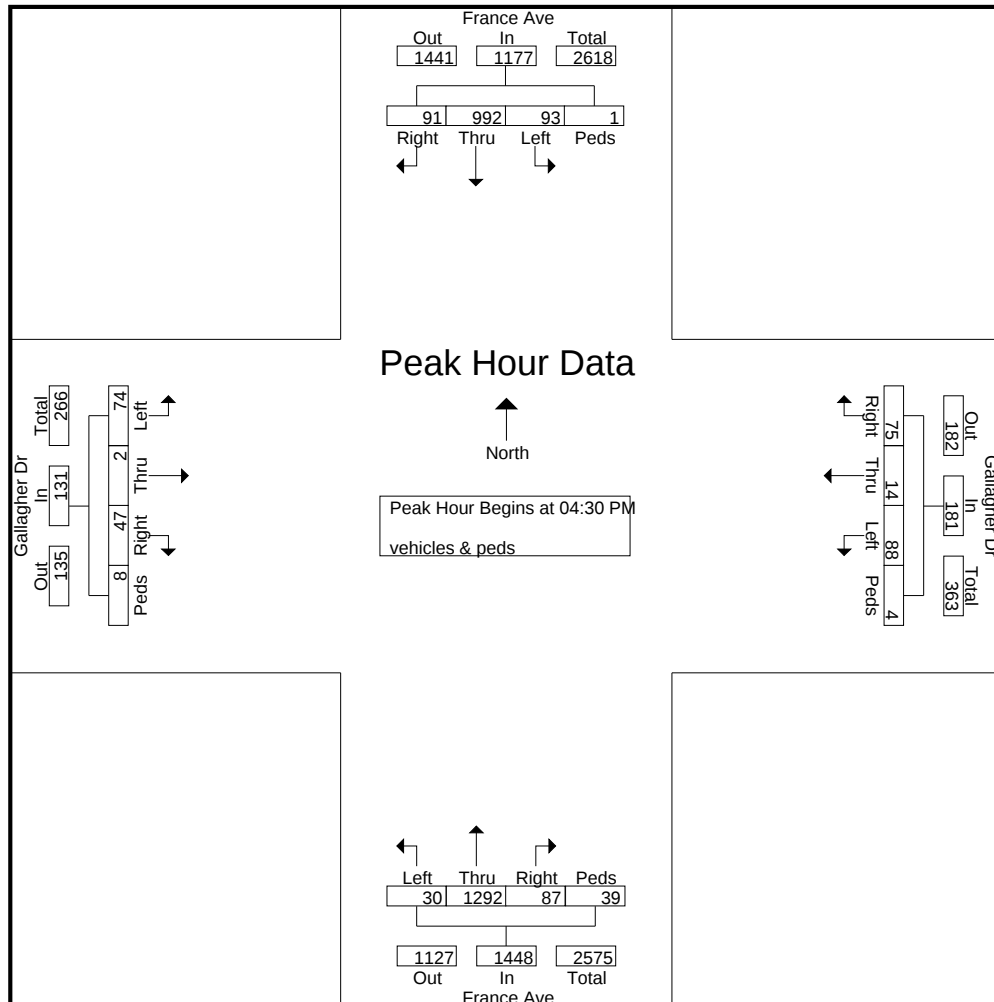


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Gallagher Dr
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Gallagher Dr
Site Code : 4
Start Date : 4/11/2023
Page No : 3

	France Ave From North					Gallagher Dr From East					France Ave From South					Gallagher Dr From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	23	261	19	1	304	15	4	22	2	43	13	321	7	3	344	13	0	19	1	33	724
04:45 PM	20	260	24	0	304	18	5	21	1	45	30	332	8	7	377	8	0	20	1	29	755
05:00 PM	23	241	29	0	293	24	3	17	0	44	10	305	9	23	347	12	1	16	6	35	719
05:15 PM	25	230	21	0	276	18	2	28	1	49	34	334	6	6	380	14	1	19	0	34	739
Total Volume	91	992	93	1	1177	75	14	88	4	181	87	1292	30	39	1448	47	2	74	8	131	2937
% App. Total	7.7	84.3	7.9	0.1		41.4	7.7	48.6	2.2		6	89.2	2.1	2.7		35.9	1.5	56.5	6.1		
PHF	.910	.950	.802	.250	.968	.781	.700	.786	.500	.923	.640	.967	.833	.424	.953	.839	.500	.925	.333	.936	.973





701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Parklawn Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Parklawn Ave
Site Code : 5
Start Date : 4/11/2023
Page No : 1

Groups Printed- vehicles & peds

	France Ave From North					Parklawn Ave From East					France Ave From South					Parklawn Ave From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:00 AM	1	22	8	0	31	2	1	1	1	5	10	35	8	0	53	7	1	6	0	14	103
06:15 AM	9	42	12	0	63	3	3	1	0	7	16	45	11	0	72	6	1	2	0	9	151
06:30 AM	4	39	10	0	53	5	1	2	0	8	26	64	20	1	111	10	0	7	0	17	189
06:45 AM	11	53	20	0	84	8	3	3	0	14	35	103	23	0	161	8	5	7	1	21	280
Total	25	156	50	0	231	18	8	7	1	34	87	247	62	1	397	31	7	22	1	61	723
07:00 AM	7	51	16	0	74	9	4	4	0	17	17	90	19	0	126	11	4	4	1	20	237
07:15 AM	13	118	19	1	151	13	4	6	0	23	26	108	31	0	165	14	7	11	0	32	371
07:30 AM	15	155	21	0	191	17	3	4	0	24	22	143	22	4	191	11	4	18	0	33	439
07:45 AM	20	168	25	0	213	12	9	13	0	34	35	137	32	1	205	15	7	12	0	34	486
Total	55	492	81	1	629	51	20	27	0	98	100	478	104	5	687	51	22	45	1	119	1533
08:00 AM	13	166	37	0	216	16	6	14	0	36	24	157	25	2	208	18	10	15	1	44	504
08:15 AM	18	160	19	0	197	23	8	15	0	46	25	156	21	4	206	17	9	11	1	38	487
08:30 AM	19	171	24	0	214	24	3	14	0	41	15	150	18	3	186	19	2	11	0	32	473
08:45 AM	20	175	29	0	224	18	7	21	0	46	25	214	22	0	261	24	4	13	0	41	572
Total	70	672	109	0	851	81	24	64	0	169	89	677	86	9	861	78	25	50	2	155	2036
03:00 PM	17	240	40	0	297	30	13	36	1	80	21	231	28	4	284	26	5	13	1	45	706
03:15 PM	16	197	34	0	247	39	7	32	0	78	23	238	24	3	288	14	6	23	0	43	656
03:30 PM	16	250	27	0	293	35	9	35	0	79	22	243	33	5	303	22	5	17	0	44	719
03:45 PM	19	199	42	0	260	27	8	33	0	68	19	257	29	4	309	24	3	18	0	45	682
Total	68	886	143	0	1097	131	37	136	1	305	85	969	114	16	1184	86	19	71	1	177	2763
04:00 PM	12	216	37	0	265	38	12	38	2	90	15	265	19	2	301	38	8	16	0	62	718
04:15 PM	13	224	36	0	273	22	18	32	0	72	12	270	22	1	305	34	3	15	0	52	702
04:30 PM	11	241	41	0	293	35	10	25	0	70	18	293	18	1	330	35	9	22	1	67	760
04:45 PM	8	240	53	0	301	37	10	18	2	67	10	284	23	2	319	25	5	24	0	54	741
Total	44	921	167	0	1132	132	50	113	4	299	55	1112	82	6	1255	132	25	77	1	235	2921
05:00 PM	10	254	27	0	291	35	11	22	0	68	12	314	25	3	354	32	6	16	0	54	767
05:15 PM	14	219	26	0	259	24	10	19	1	54	12	314	19	6	351	15	7	14	0	36	700
05:30 PM	6	204	28	0	238	20	10	14	0	44	21	290	31	3	345	15	9	7	0	31	658
05:45 PM	7	173	24	0	204	20	5	17	2	44	18	265	31	6	320	19	8	9	1	37	605
Total	37	850	105	0	992	99	36	72	3	210	63	1183	106	18	1370	81	30	46	1	158	2730
Grand Total	299	3977	655	1	4932	512	175	419	9	1115	479	4666	554	55	5754	459	128	311	7	905	12706
Apprch %	6.1	80.6	13.3	0		45.9	15.7	37.6	0.8		8.3	81.1	9.6	1		50.7	14.1	34.4	0.8		
Total %	2.4	31.3	5.2	0	38.8	4	1.4	3.3	0.1	8.8	3.8	36.7	4.4	0.4	45.3	3.6	1	2.4	0.1	7.1	

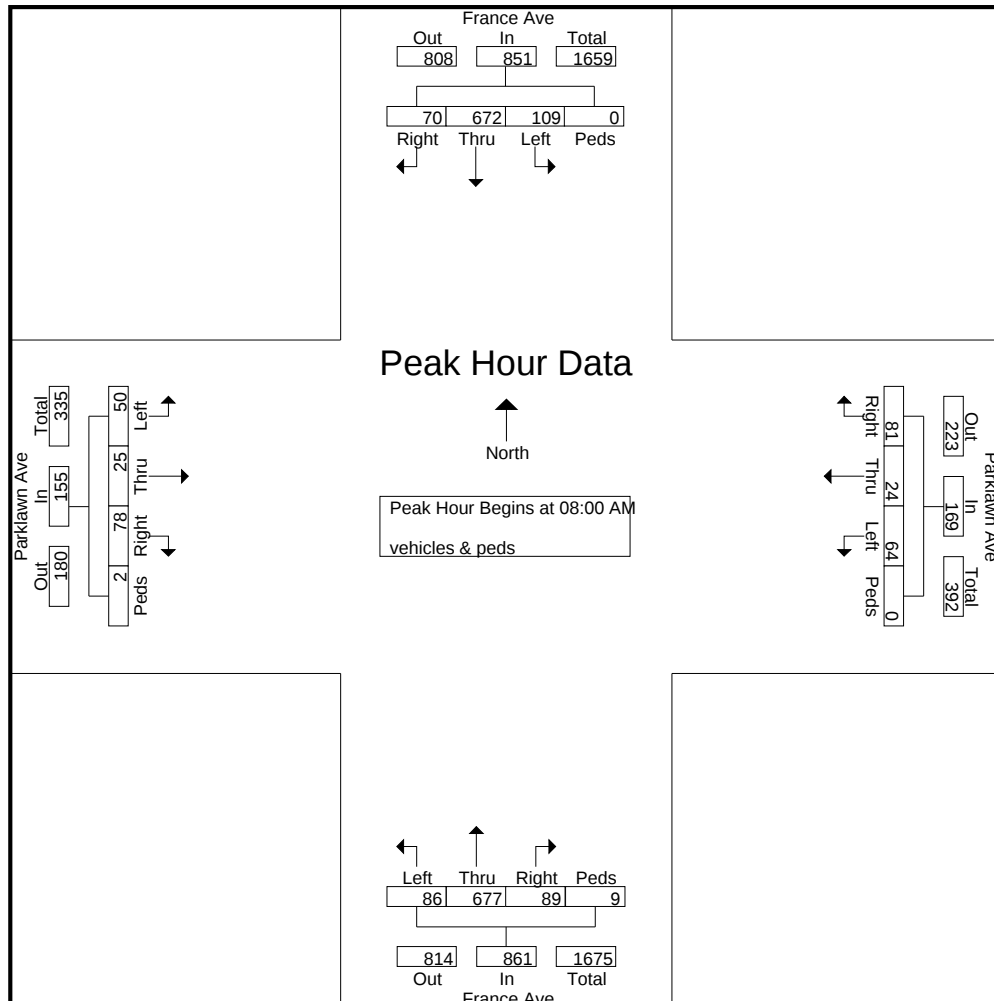


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Parklawn Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Parklawn Ave
Site Code : 5
Start Date : 4/11/2023
Page No : 2

	France Ave From North					Parklawn Ave From East					France Ave From South					Parklawn Ave From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	13	166	37	0	216	16	6	14	0	36	24	157	25	2	208	18	10	15	1	44	504
08:15 AM	18	160	19	0	197	23	8	15	0	46	25	156	21	4	206	17	9	11	1	38	487
08:30 AM	19	171	24	0	214	24	3	14	0	41	15	150	18	3	186	19	2	11	0	32	473
08:45 AM	20	175	29	0	224	18	7	21	0	46	25	214	22	0	261	24	4	13	0	41	572
Total Volume	70	672	109	0	851	81	24	64	0	169	89	677	86	9	861	78	25	50	2	155	2036
% App. Total	8.2	79	12.8	0		47.9	14.2	37.9	0		10.3	78.6	10	1		50.3	16.1	32.3	1.3		
PHF	.875	.960	.736	.000	.950	.844	.750	.762	.000	.918	.890	.791	.860	.563	.825	.813	.625	.833	.500	.881	.890



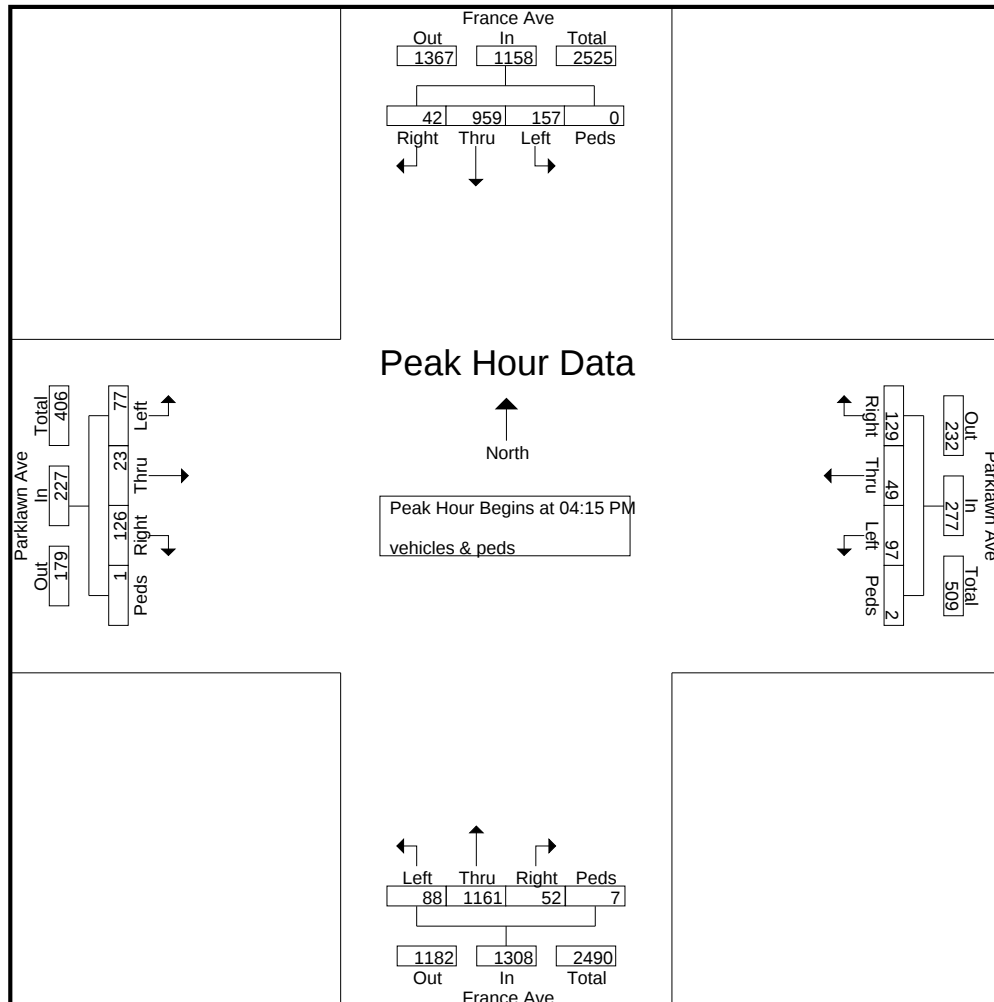


701 Xenia Ave S, Suite 300
Minneapolis, MN 55416

France Ave & Parklawn Ave
6-9am & 3-6pm
vehicles & peds

File Name : France Ave & Parklawn Ave
Site Code : 5
Start Date : 4/11/2023
Page No : 3

	France Ave From North					Parklawn Ave From East					France Ave From South					Parklawn Ave From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	13	224	36	0	273	22	18	32	0	72	12	270	22	1	305	34	3	15	0	52	702
04:30 PM	11	241	41	0	293	35	10	25	0	70	18	293	18	1	330	35	9	22	1	67	760
04:45 PM	8	240	53	0	301	37	10	18	2	67	10	284	23	2	319	25	5	24	0	54	741
05:00 PM	10	254	27	0	291	35	11	22	0	68	12	314	25	3	354	32	6	16	0	54	767
Total Volume	42	959	157	0	1158	129	49	97	2	277	52	1161	88	7	1308	126	23	77	1	227	2970
% App. Total	3.6	82.8	13.6	0		46.6	17.7	35	0.7		4	88.8	6.7	0.5		55.5	10.1	33.9	0.4		
PHF	.808	.944	.741	.000	.962	.872	.681	.758	.250	.962	.722	.924	.880	.583	.924	.900	.639	.802	.250	.847	.968



APPENDIX B

Traffic Operations Analysis Worksheets

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	2447	2629	2497	2477	2383	2486
Vehs Exited	2451	2591	2505	2479	2384	2480
Starting Vehs	71	65	89	68	71	69
Ending Vehs	67	103	81	66	70	76
Denied Entry Before	0	1	0	0	0	0
Denied Entry After	0	0	1	0	0	0
Travel Distance (mi)	2121	2271	2161	2130	2052	2147
Travel Time (hr)	75.3	81.6	77.8	76.3	72.9	76.8
Total Delay (hr)	15.7	17.8	16.4	15.8	14.6	16.1
Total Stops	2118	2358	2246	2162	2034	2184
Fuel Used (gal)	70.0	75.9	72.2	70.6	67.5	71.2

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	2447	2629	2497	2477	2383	2486
Vehs Exited	2451	2591	2505	2479	2384	2480
Starting Vehs	71	65	89	68	71	69
Ending Vehs	67	103	81	66	70	76
Denied Entry Before	0	1	0	0	0	0
Denied Entry After	0	0	1	0	0	0
Travel Distance (mi)	2121	2271	2161	2130	2052	2147
Travel Time (hr)	75.3	81.6	77.8	76.3	72.9	76.8
Total Delay (hr)	15.7	17.8	16.4	15.8	14.6	16.1
Total Stops	2118	2358	2246	2162	2034	2184
Fuel Used (gal)	70.0	75.9	72.2	70.6	67.5	71.2

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Denied Del/Veh (s)	3.9	0.1	0.1	3.2	0.3	3.1	0.0	0.0	0.0	2.3	0.1	0.1
Total Delay (hr)	0.0	0.1	0.0	0.5	0.1	0.1	0.1	1.3	0.1	0.8	0.7	0.0
Total Del/Veh (s)	29.2	30.8	4.1	29.9	28.6	5.4	37.8	6.9	2.8	30.0	3.1	0.9
Stop Delay (hr)	0.0	0.1	0.0	0.5	0.1	0.1	0.1	0.8	0.1	0.8	0.2	0.0
Stop Del/Veh (s)	27.7	27.4	3.9	27.6	25.5	5.2	35.7	4.2	2.3	27.2	1.1	0.4
Total Stops	2	7	2	55	7	70	12	231	33	89	106	1
Stop/Veh	0.67	1.00	1.00	0.93	0.88	0.86	0.92	0.34	0.41	0.89	0.14	0.25
Travel Dist (mi)	0.4	1.1	0.4	12.4	1.7	17.1	1.0	56.3	6.7	27.0	213.8	1.2
Travel Time (hr)	0.0	0.1	0.0	1.0	0.1	0.8	0.2	2.7	0.3	1.7	6.1	0.0
Avg Speed (mph)	11	12	22	13	14	22	6	21	21	17	35	34
Fuel Used (gal)	0.0	0.0	0.0	0.5	0.1	0.5	0.0	1.6	0.1	0.9	5.9	0.0
Fuel Eff. (mpg)	26.9	29.2	38.9	27.0	29.3	34.1	21.1	34.5	46.6	31.1	36.5	41.1
HC Emissions (g)	0	0	0	2	0	6	0	18	2	5	79	0
CO Emissions (g)	1	3	1	66	9	129	7	573	62	205	2197	6
NOx Emissions (g)	0	0	0	7	1	17	0	63	5	22	301	1
Vehicles Entered	3	7	2	59	8	81	13	676	81	98	770	4
Vehicles Exited	3	7	2	58	7	80	13	681	81	98	773	4
Hourly Exit Rate	3	7	2	58	7	80	13	681	81	98	773	4
Input Volume	4	8	1	61	7	78	15	680	81	107	753	5
% of Volume	75	88	200	95	100	103	87	100	100	92	103	80
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	1	0	1	0	3	0	2	6	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.4
Total Delay (hr)	3.8
Total Del/Veh (s)	7.5
Stop Delay (hr)	2.7
Stop Del/Veh (s)	5.3
Total Stops	615
Stop/Veh	0.34
Travel Dist (mi)	339.2
Travel Time (hr)	13.1
Avg Speed (mph)	26
Fuel Used (gal)	9.7
Fuel Eff. (mpg)	35.1
HC Emissions (g)	112
CO Emissions (g)	3260
NOx Emissions (g)	417
Vehicles Entered	1802
Vehicles Exited	1807
Hourly Exit Rate	1807
Input Volume	1800
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	995
Occupancy (veh)	13

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.0	0.0	0.2	0.0	0.4
Total Del/Veh (s)	4.1	4.4	0.2	1.0	0.5	0.8
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.5	2.9	0.0	0.1	0.1	0.3
Total Stops	85	13	0	0	0	98
Stop/Veh	0.98	0.54	0.00	0.00	0.00	0.06
Travel Dist (mi)	22.8	1.0	31.0	71.1	1.3	127.3
Travel Time (hr)	0.9	0.1	0.9	2.1	0.1	4.0
Avg Speed (mph)	25	13	35	34	26	31
Fuel Used (gal)	0.6	0.0	0.9	3.0	0.0	4.6
Fuel Eff. (mpg)	36.3	36.2	33.8	23.5	41.1	27.5
HC Emissions (g)	7	0	12	45	0	64
CO Emissions (g)	135	6	375	1917	13	2446
NOx Emissions (g)	19	1	45	161	1	226
Vehicles Entered	86	24	772	817	16	1715
Vehicles Exited	86	24	771	817	16	1714
Hourly Exit Rate	86	24	771	817	16	1714
Input Volume	94	25	777	801	14	1711
% of Volume	91	96	99	102	114	100
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						890
Occupancy (veh)	1	0	1	2	0	4

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0
Total Delay (hr)	0.0	0.2	0.0	0.0	0.3
Total Del/Veh (s)	1.6	1.0	0.9	0.2	0.6
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	1.2	0.1	0.1	0.0	0.1
Total Stops	12	0	0	0	12
Stop/Veh	0.24	0.00	0.00	0.00	0.01
Travel Dist (mi)	3.4	58.3	3.8	36.3	101.8
Travel Time (hr)	0.2	1.7	0.2	1.1	3.2
Avg Speed (mph)	19	34	23	34	32
Fuel Used (gal)	0.1	2.5	0.1	1.2	3.9
Fuel Eff. (mpg)	42.0	23.1	33.2	30.0	25.9
HC Emissions (g)	1	33	2	18	53
CO Emissions (g)	17	1538	62	598	2215
NOx Emissions (g)	2	121	6	65	194
Vehicles Entered	51	745	48	903	1747
Vehicles Exited	51	744	48	904	1747
Hourly Exit Rate	51	744	48	904	1747
Input Volume	55	746	43	895	1739
% of Volume	93	100	112	101	100
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					809
Occupancy (veh)	0	2	0	1	3

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Denied Del/Veh (s)	4.0	0.3	4.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total Delay (hr)	0.4	0.0	0.3	0.0	0.0	0.4	0.9	0.0	0.2	0.8	0.0	3.2
Total Del/Veh (s)	30.7	5.4	28.0	25.0	5.2	27.5	4.6	3.1	33.9	3.6	1.8	6.2
Stop Delay (hr)	0.4	0.0	0.3	0.0	0.0	0.4	0.3	0.0	0.2	0.4	0.0	2.1
Stop Del/Veh (s)	28.5	4.8	26.0	22.5	4.9	24.0	1.7	1.3	32.4	1.9	1.4	4.0
Total Stops	45	23	32	3	8	50	115	7	18	141	16	458
Stop/Veh	0.90	0.88	0.91	0.75	0.89	0.93	0.16	0.22	0.95	0.17	0.23	0.25
Travel Dist (mi)	7.9	4.1	4.5	0.5	1.1	10.7	146.4	6.3	1.4	61.6	5.4	249.9
Travel Time (hr)	0.8	0.2	0.5	0.0	0.1	0.7	4.8	0.2	0.2	2.4	0.2	10.2
Avg Speed (mph)	11	21	10	11	20	14	31	28	6	26	22	25
Fuel Used (gal)	0.3	0.1	0.2	0.0	0.0	0.5	5.9	0.2	0.1	1.9	0.1	9.3
Fuel Eff. (mpg)	24.2	35.3	24.4	27.0	36.8	22.5	25.0	28.6	22.0	32.8	54.1	27.0
HC Emissions (g)	2	2	1	0	0	3	84	4	0	24	1	121
CO Emissions (g)	53	37	28	3	4	197	3499	145	10	844	32	4853
NOx Emissions (g)	5	5	3	0	0	14	299	12	1	86	3	428
Vehicles Entered	50	26	35	4	9	54	738	32	19	816	71	1854
Vehicles Exited	49	26	35	4	9	53	736	32	19	816	71	1850
Hourly Exit Rate	49	26	35	4	9	53	736	32	19	816	71	1850
Input Volume	51	27	40	3	9	50	729	29	21	806	69	1834
% of Volume	96	96	88	133	100	106	101	110	90	101	103	101
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												863
Occupancy (veh)	1	0	0	0	0	1	5	0	0	2	0	10

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.3	0.2	0.1	0.5	0.2	0.1	0.7	1.7	0.1	0.8	1.8	0.1
Total Del/Veh (s)	26.0	27.5	5.3	26.6	31.5	4.8	30.8	8.7	2.5	27.3	9.2	5.5
Stop Delay (hr)	0.3	0.2	0.1	0.4	0.2	0.1	0.6	1.0	0.1	0.7	1.1	0.1
Stop Del/Veh (s)	24.2	25.2	4.6	24.7	28.5	5.1	27.3	5.0	2.1	23.9	5.5	3.8
Total Stops	41	24	68	56	20	75	74	239	36	95	242	31
Stop/Veh	0.87	0.86	0.87	0.88	0.95	0.86	0.87	0.34	0.38	0.87	0.34	0.44
Travel Dist (mi)	6.0	3.6	10.1	4.0	1.4	5.6	30.8	252.0	34.7	21.1	137.2	13.7
Travel Time (hr)	0.6	0.4	0.6	0.6	0.2	0.4	1.6	8.1	1.0	1.5	5.3	0.5
Avg Speed (mph)	10	10	18	6	6	15	20	31	33	14	26	26
Fuel Used (gal)	0.2	0.1	0.3	0.2	0.1	0.1	0.9	6.9	0.9	0.8	4.7	0.4
Fuel Eff. (mpg)	25.2	25.5	34.5	20.1	21.6	44.3	33.7	36.7	38.8	25.9	29.4	30.7
HC Emissions (g)	1	2	2	1	0	1	8	79	13	5	62	8
CO Emissions (g)	24	39	53	30	5	18	227	2242	343	278	2300	282
NOx Emissions (g)	3	5	8	3	0	2	31	311	48	20	221	25
Vehicles Entered	47	28	78	63	21	87	85	689	94	107	698	70
Vehicles Exited	45	28	78	62	21	86	84	692	94	108	696	69
Hourly Exit Rate	45	28	78	62	21	86	84	692	94	108	696	69
Input Volume	50	25	78	64	24	81	86	677	89	109	694	70
% of Volume	90	112	100	97	88	106	98	102	106	99	100	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	0	2	8	1	1	5	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	6.7
Total Del/Veh (s)	11.5
Stop Delay (hr)	4.9
Stop Del/Veh (s)	8.4
Total Stops	1001
Stop/Veh	0.48
Travel Dist (mi)	520.2
Travel Time (hr)	20.8
Avg Speed (mph)	25
Fuel Used (gal)	15.7
Fuel Eff. (mpg)	33.2
HC Emissions (g)	182
CO Emissions (g)	5839
NOx Emissions (g)	678
Vehicles Entered	2067
Vehicles Exited	2063
Hourly Exit Rate	2063
Input Volume	2047
% of Volume	101
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	800
Occupancy (veh)	21

Total Network Performance

Denied Delay (hr)	0.4
Denied Del/Veh (s)	0.6
Total Delay (hr)	15.7
Total Del/Veh (s)	22.1
Stop Delay (hr)	10.0
Stop Del/Veh (s)	14.0
Total Stops	2184
Stop/Veh	0.85
Travel Dist (mi)	2146.7
Travel Time (hr)	76.8
Avg Speed (mph)	28
Fuel Used (gal)	71.2
Fuel Eff. (mpg)	30.1
HC Emissions (g)	892
CO Emissions (g)	30275
NOx Emissions (g)	3236
Vehicles Entered	2486
Vehicles Exited	2480
Hourly Exit Rate	2480
Input Volume	12725
% of Volume	19
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	645
Occupancy (veh)	76

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	30	40	78	36	59	64	106	124	113	63	115	96
Average Queue (ft)	3	8	35	5	25	12	46	57	50	22	54	38
95th Queue (ft)	16	31	69	23	49	40	85	105	103	54	100	86
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	80	49
Average Queue (ft)	17	11
95th Queue (ft)	53	35
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB
Directions Served	R	L
Maximum Queue (ft)	75	45
Average Queue (ft)	34	12
95th Queue (ft)	57	37
Link Distance (ft)	1411	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		220
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	30
Average Queue (ft)	7
95th Queue (ft)	24
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	90	55	74	39	85	72	91	88	46	93	82	92
Average Queue (ft)	36	18	27	10	37	25	32	36	16	40	35	34
95th Queue (ft)	73	46	59	33	72	60	75	79	41	78	73	71
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L
Maximum Queue (ft)	80	78	62	90	38	74	112	143	132	94	54	136
Average Queue (ft)	33	22	34	36	13	22	51	68	47	36	18	59
95th Queue (ft)	66	59	58	73	35	48	100	121	96	75	43	107
Link Distance (ft)		632			277	277		1925	1925	1925	1925	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		100	80			320					400
Storage Blk Time (%)	0	0		1								
Queuing Penalty (veh)	0	0		0								

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	102	120	129
Average Queue (ft)	46	60	52
95th Queue (ft)	87	108	104
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 1

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	3843	3875	3772	3786	3884	3831
Vehs Exited	3839	3862	3728	3776	3869	3814
Starting Vehs	121	139	93	124	116	118
Ending Vehs	125	152	137	134	131	133
Denied Entry Before	1	2	0	1	0	0
Denied Entry After	1	0	1	0	1	0
Travel Distance (mi)	3226	3273	3167	3190	3230	3217
Travel Time (hr)	128.6	129.8	123.3	126.3	128.7	127.3
Total Delay (hr)	37.3	37.4	34.3	35.8	36.9	36.4
Total Stops	4344	4333	4028	4162	4253	4224
Fuel Used (gal)	114.8	116.5	111.7	113.4	114.2	114.1

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	3843	3875	3772	3786	3884	3831
Vehs Exited	3839	3862	3728	3776	3869	3814
Starting Vehs	121	139	93	124	116	118
Ending Vehs	125	152	137	134	131	133
Denied Entry Before	1	2	0	1	0	0
Denied Entry After	1	0	1	0	1	0
Travel Distance (mi)	3226	3273	3167	3190	3230	3217
Travel Time (hr)	128.6	129.8	123.3	126.3	128.7	127.3
Total Delay (hr)	37.3	37.4	34.3	35.8	36.9	36.4
Total Stops	4344	4333	4028	4162	4253	4224
Fuel Used (gal)	114.8	116.5	111.7	113.4	114.2	114.1

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Denied Del/Veh (s)	4.0	0.1	0.2	3.0	0.6	3.0	0.0	0.0	0.0	2.1	0.2	0.1
Total Delay (hr)	0.1	0.1	0.0	1.1	0.1	0.5	0.1	5.0	0.2	1.5	1.5	0.0
Total Del/Veh (s)	29.4	23.8	6.3	29.3	26.5	9.8	33.4	14.4	5.0	29.7	5.6	2.7
Stop Delay (hr)	0.1	0.1	0.0	1.0	0.1	0.5	0.1	3.4	0.1	1.3	0.7	0.0
Stop Del/Veh (s)	27.7	20.8	6.0	26.1	22.9	8.8	30.9	9.7	3.8	25.7	2.4	2.1
Total Stops	14	11	7	113	12	151	12	661	62	149	225	1
Stop/Veh	0.93	0.79	0.78	0.86	0.86	0.78	0.92	0.53	0.54	0.85	0.23	0.33
Travel Dist (mi)	2.3	2.1	1.4	27.4	2.9	40.4	1.0	101.7	9.4	48.0	273.4	0.8
Travel Time (hr)	0.2	0.2	0.1	2.2	0.2	2.2	0.2	7.6	0.5	2.9	8.5	0.0
Avg Speed (mph)	11	13	20	13	14	20	7	13	18	17	32	31
Fuel Used (gal)	0.1	0.1	0.0	1.1	0.1	1.3	0.0	3.4	0.2	1.6	7.6	0.0
Fuel Eff. (mpg)	27.0	28.7	35.2	25.9	28.9	31.7	22.5	29.7	39.6	30.7	36.1	39.4
HC Emissions (g)	0	0	0	11	0	12	0	28	2	13	90	0
CO Emissions (g)	7	9	6	267	14	301	7	901	95	446	2771	4
NOx Emissions (g)	1	1	1	32	1	35	0	98	7	47	344	1
Vehicles Entered	15	13	9	130	14	191	13	1255	114	174	986	3
Vehicles Exited	15	14	9	129	14	191	12	1254	114	172	987	3
Hourly Exit Rate	15	14	9	129	14	191	12	1254	114	172	987	3
Input Volume	14	14	11	137	15	183	11	1246	116	181	981	4
% of Volume	107	100	82	94	93	104	109	101	98	95	101	75
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	2	0	2	0	8	1	3	8	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.4
Denied Del/Veh (s)	0.5
Total Delay (hr)	10.2
Total Del/Veh (s)	12.6
Stop Delay (hr)	7.3
Stop Del/Veh (s)	8.9
Total Stops	1418
Stop/Veh	0.48
Travel Dist (mi)	511.0
Travel Time (hr)	24.8
Avg Speed (mph)	21
Fuel Used (gal)	15.5
Fuel Eff. (mpg)	33.0
HC Emissions (g)	158
CO Emissions (g)	4826
NOx Emissions (g)	568
Vehicles Entered	2917
Vehicles Exited	2914
Hourly Exit Rate	2914
Input Volume	2913
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	528
Occupancy (veh)	24

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.1	0.2	0.5	0.0	0.8
Total Del/Veh (s)	4.6	6.2	0.4	1.5	1.1	1.1
Stop Delay (hr)	0.1	0.1	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	4.1	4.5	0.0	0.1	0.1	0.2
Total Stops	56	40	1	0	1	98
Stop/Veh	1.00	0.62	0.00	0.00	0.05	0.04
Travel Dist (mi)	15.0	2.6	55.7	96.5	1.8	171.6
Travel Time (hr)	0.6	0.2	1.7	3.1	0.1	5.7
Avg Speed (mph)	24	11	33	31	23	30
Fuel Used (gal)	0.4	0.1	1.7	4.9	0.1	7.1
Fuel Eff. (mpg)	37.0	32.2	32.5	19.7	30.1	24.0
HC Emissions (g)	4	0	24	73	0	102
CO Emissions (g)	81	13	887	3385	26	4392
NOx Emissions (g)	11	2	83	256	2	354
Vehicles Entered	56	64	1384	1106	21	2631
Vehicles Exited	56	63	1383	1111	21	2634
Hourly Exit Rate	56	63	1383	1111	21	2634
Input Volume	58	67	1374	1108	22	2629
% of Volume	97	94	101	100	95	100
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						631
Occupancy (veh)	1	0	2	3	0	6

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.7	0.1	0.1	0.9
Total Del/Veh (s)	3.9	1.9	2.0	0.3	1.3
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.3	0.1	0.1	0.0	0.2
Total Stops	44	0	0	0	44
Stop/Veh	0.47	0.00	0.00	0.00	0.02
Travel Dist (mi)	6.3	105.9	7.7	46.9	166.8
Travel Time (hr)	0.4	3.6	0.4	1.3	5.7
Avg Speed (mph)	16	30	21	35	29
Fuel Used (gal)	0.2	5.7	0.3	1.4	7.7
Fuel Eff. (mpg)	35.3	18.5	24.9	32.5	21.8
HC Emissions (g)	1	82	4	21	108
CO Emissions (g)	42	3898	158	701	4799
NOx Emissions (g)	4	294	16	74	388
Vehicles Entered	94	1358	98	1165	2715
Vehicles Exited	94	1359	99	1165	2717
Hourly Exit Rate	94	1359	99	1165	2717
Input Volume	95	1350	96	1165	2706
% of Volume	99	101	103	100	100
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					450
Occupancy (veh)	0	4	0	1	6

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.9	0.4	0.3	3.8	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.6	0.0	0.1	0.7	0.1	0.2	0.2	4.3	0.3	0.7	1.1	0.1
Total Del/Veh (s)	28.7	25.7	5.6	27.7	25.1	9.7	28.9	11.7	10.8	32.2	4.0	2.2
Stop Delay (hr)	0.6	0.0	0.1	0.6	0.1	0.2	0.2	2.1	0.1	0.7	0.6	0.0
Stop Del/Veh (s)	26.3	20.4	5.0	24.9	21.4	8.5	24.6	5.8	5.9	30.1	2.2	1.6
Total Stops	67	1	41	77	12	63	29	424	35	78	185	22
Stop/Veh	0.87	1.00	0.80	0.83	0.80	0.80	0.97	0.32	0.41	0.95	0.19	0.23
Travel Dist (mi)	12.1	0.2	7.9	11.8	1.9	10.1	5.9	259.5	17.0	6.1	74.8	7.1
Travel Time (hr)	1.1	0.0	0.4	1.2	0.2	0.6	0.4	11.1	0.8	1.0	3.0	0.3
Avg Speed (mph)	11	15	21	10	11	17	14	23	21	6	25	21
Fuel Used (gal)	0.5	0.0	0.2	0.5	0.1	0.3	0.3	11.5	0.7	0.3	2.3	0.1
Fuel Eff. (mpg)	23.6	30.0	35.1	21.4	25.2	30.0	22.4	22.6	25.7	21.0	33.1	55.2
HC Emissions (g)	4	0	2	5	0	5	4	152	11	2	27	1
CO Emissions (g)	108	1	53	156	15	124	135	6503	412	69	929	33
NOx Emissions (g)	11	0	6	15	1	13	12	546	37	6	99	3
Vehicles Entered	77	1	50	92	15	78	30	1301	85	82	988	94
Vehicles Exited	75	1	50	91	15	78	29	1303	85	81	988	94
Hourly Exit Rate	75	1	50	91	15	78	29	1303	85	81	988	94
Input Volume	79	2	47	88	14	75	30	1292	87	93	981	91
% of Volume	95	50	106	103	107	104	97	101	98	87	101	103
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	1	0	1	0	11	1	1	3	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.2
Total Delay (hr)	8.4
Total Del/Veh (s)	10.4
Stop Delay (hr)	5.4
Stop Del/Veh (s)	6.6
Total Stops	1034
Stop/Veh	0.36
Travel Dist (mi)	414.3
Travel Time (hr)	20.2
Avg Speed (mph)	21
Fuel Used (gal)	16.8
Fuel Eff. (mpg)	24.7
HC Emissions (g)	214
CO Emissions (g)	8539
NOx Emissions (g)	750
Vehicles Entered	2893
Vehicles Exited	2890
Hourly Exit Rate	2890
Input Volume	2879
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	434
Occupancy (veh)	20

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.6	0.2	0.2	0.6	0.4	0.3	0.8	4.7	0.0	1.2	3.3	0.1
Total Del/Veh (s)	26.0	30.4	7.4	25.9	29.1	8.7	34.4	13.8	2.9	27.0	12.6	8.0
Stop Delay (hr)	0.5	0.2	0.2	0.6	0.3	0.3	0.7	2.7	0.0	1.0	2.1	0.1
Stop Del/Veh (s)	23.9	28.1	6.6	23.7	26.1	8.7	30.1	8.1	2.6	23.0	8.0	5.3
Total Stops	67	21	102	74	38	115	76	555	25	136	403	18
Stop/Veh	0.87	0.88	0.84	0.84	0.83	0.85	0.88	0.46	0.47	0.88	0.43	0.46
Travel Dist (mi)	9.9	3.1	15.6	5.6	2.9	8.8	31.2	438.9	19.0	30.1	185.2	7.6
Travel Time (hr)	1.0	0.3	0.9	0.9	0.5	0.7	1.7	15.8	0.6	2.1	8.1	0.3
Avg Speed (mph)	10	9	17	6	6	12	19	28	33	14	23	23
Fuel Used (gal)	0.4	0.1	0.5	0.3	0.1	0.2	1.0	12.0	0.5	1.2	6.7	0.3
Fuel Eff. (mpg)	24.5	24.5	33.0	19.9	21.4	38.4	32.8	36.6	38.3	25.7	27.5	28.4
HC Emissions (g)	3	0	3	2	1	1	5	128	8	10	89	4
CO Emissions (g)	62	10	71	46	23	33	184	3696	206	456	3429	163
NOx Emissions (g)	8	1	10	5	2	4	22	494	28	36	308	14
Vehicles Entered	76	24	121	87	46	136	85	1200	52	153	939	38
Vehicles Exited	77	24	120	88	45	136	84	1204	52	150	935	38
Hourly Exit Rate	77	24	120	88	45	136	84	1204	52	150	935	38
Input Volume	77	23	126	97	49	129	88	1203	52	157	918	42
% of Volume	100	104	95	91	92	105	95	100	100	96	102	90
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	1	2	16	1	2	8	0

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	12.4
Total Del/Veh (s)	15.0
Stop Delay (hr)	8.8
Stop Del/Veh (s)	10.6
Total Stops	1630
Stop/Veh	0.55
Travel Dist (mi)	758.1
Travel Time (hr)	33.0
Avg Speed (mph)	23
Fuel Used (gal)	23.3
Fuel Eff. (mpg)	32.6
HC Emissions (g)	254
CO Emissions (g)	8380
NOx Emissions (g)	933
Vehicles Entered	2957
Vehicles Exited	2953
Hourly Exit Rate	2953
Input Volume	2961
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	505
Occupancy (veh)	33

Total Network Performance

Denied Delay (hr)	0.8
Denied Del/Veh (s)	0.7
Total Delay (hr)	35.6
Total Del/Veh (s)	32.5
Stop Delay (hr)	22.0
Stop Del/Veh (s)	20.0
Total Stops	4224
Stop/Veh	1.07
Travel Dist (mi)	3217.2
Travel Time (hr)	127.3
Avg Speed (mph)	25
Fuel Used (gal)	114.1
Fuel Eff. (mpg)	28.2
HC Emissions (g)	1372
CO Emissions (g)	49725
NOx Emissions (g)	4960
Vehicles Entered	3831
Vehicles Exited	3814
Hourly Exit Rate	3814
Input Volume	19273
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	389
Occupancy (veh)	127

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	42	57	142	36	111	43	168	201	206	77	181	150
Average Queue (ft)	12	17	70	10	51	13	108	129	134	33	84	68
95th Queue (ft)	37	48	125	31	93	37	159	185	192	63	145	124
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)		0	1		0		0					
Queuing Penalty (veh)		0	2		0		0					

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	116	94
Average Queue (ft)	37	25
95th Queue (ft)	84	65
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB	SB
Directions Served	R	L	TR
Maximum Queue (ft)	62	61	24
Average Queue (ft)	26	26	1
95th Queue (ft)	50	55	10
Link Distance (ft)	1411		385
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		220	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	67
Average Queue (ft)	21
95th Queue (ft)	46
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	100	59	121	117	80	152	164	196	127	99	108	103
Average Queue (ft)	49	26	53	43	25	74	88	110	54	47	48	42
95th Queue (ft)	91	53	97	85	62	131	146	186	101	85	89	84
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)			1	0								
Queuing Penalty (veh)			0	0								

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L
Maximum Queue (ft)	95	57	104	93	102	102	119	181	174	183	50	166
Average Queue (ft)	45	21	44	45	26	37	52	117	105	92	13	83
95th Queue (ft)	83	51	76	86	72	75	95	169	164	156	36	144
Link Distance (ft)		632			277	277		1925	1925	1925	1925	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		100	80			320					400
Storage Blk Time (%)	0		0	2	1							
Queuing Penalty (veh)	1		0	1	1							

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	128	141	158
Average Queue (ft)	68	85	86
95th Queue (ft)	115	133	137
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 6

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	2482	2550	2553	2457	2471	2502
Vehs Exited	2483	2517	2540	2436	2469	2490
Starting Vehs	66	74	71	63	78	63
Ending Vehs	65	107	84	84	80	85
Denied Entry Before	0	2	0	0	0	0
Denied Entry After	0	1	0	0	0	0
Travel Distance (mi)	2130	2188	2196	2106	2128	2149
Travel Time (hr)	75.9	77.8	78.9	76.2	76.7	77.1
Total Delay (hr)	15.6	16.0	16.4	16.5	16.2	16.1
Total Stops	2189	2132	2257	2190	2172	2185
Fuel Used (gal)	70.3	72.5	72.9	69.9	70.2	71.2

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	2482	2550	2553	2457	2471	2502
Vehs Exited	2483	2517	2540	2436	2469	2490
Starting Vehs	66	74	71	63	78	63
Ending Vehs	65	107	84	84	80	85
Denied Entry Before	0	2	0	0	0	0
Denied Entry After	0	1	0	0	0	0
Travel Distance (mi)	2130	2188	2196	2106	2128	2149
Travel Time (hr)	75.9	77.8	78.9	76.2	76.7	77.1
Total Delay (hr)	15.6	16.0	16.4	16.5	16.2	16.1
Total Stops	2189	2132	2257	2190	2172	2185
Fuel Used (gal)	70.3	72.5	72.9	69.9	70.2	71.2

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Denied Del/Veh (s)	4.8	0.2	0.1	3.2	0.5	3.1	0.0	0.0	0.0	2.3	0.2	0.1
Total Delay (hr)	0.0	0.0	0.0	0.5	0.1	0.1	0.2	1.3	0.1	0.9	0.6	0.0
Total Del/Veh (s)	23.0	24.4	3.9	31.0	29.8	5.3	37.4	6.9	2.7	28.4	3.0	0.9
Stop Delay (hr)	0.0	0.0	0.0	0.5	0.1	0.1	0.2	0.8	0.0	0.8	0.2	0.0
Stop Del/Veh (s)	21.1	21.6	3.7	28.8	26.3	5.0	35.4	4.1	2.3	25.5	1.0	0.6
Total Stops	3	5	2	55	6	72	16	236	29	96	99	0
Stop/Veh	1.00	0.83	1.00	0.92	0.86	0.87	0.94	0.34	0.38	0.85	0.13	0.00
Travel Dist (mi)	0.5	0.8	0.3	12.5	1.6	17.5	1.4	56.8	6.3	30.9	211.0	1.1
Travel Time (hr)	0.0	0.1	0.0	1.0	0.1	0.9	0.2	2.8	0.3	1.8	6.0	0.0
Avg Speed (mph)	14	12	21	13	14	22	6	21	21	17	35	32
Fuel Used (gal)	0.0	0.0	0.0	0.5	0.1	0.5	0.1	1.6	0.1	1.0	5.8	0.0
Fuel Eff. (mpg)	31.3	29.9	37.8	26.8	29.5	33.5	22.2	35.1	47.0	31.1	36.7	41.3
HC Emissions (g)	0	0	0	2	0	8	0	18	1	9	59	0
CO Emissions (g)	1	2	1	66	6	160	7	559	56	293	1886	4
NOx Emissions (g)	0	0	0	7	1	21	1	64	4	34	248	1
Vehicles Entered	3	5	2	59	7	83	17	683	76	112	761	4
Vehicles Exited	3	6	2	58	7	83	17	687	76	111	762	4
Hourly Exit Rate	3	6	2	58	7	83	17	687	76	111	762	4
Input Volume	4	8	1	62	7	79	15	691	82	109	765	5
% of Volume	75	75	200	94	100	105	113	99	93	102	100	80
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	1	0	1	0	3	0	2	6	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.5
Total Delay (hr)	3.8
Total Del/Veh (s)	7.6
Stop Delay (hr)	2.7
Stop Del/Veh (s)	5.4
Total Stops	619
Stop/Veh	0.34
Travel Dist (mi)	340.8
Travel Time (hr)	13.3
Avg Speed (mph)	26
Fuel Used (gal)	9.7
Fuel Eff. (mpg)	35.2
HC Emissions (g)	99
CO Emissions (g)	3040
NOx Emissions (g)	381
Vehicles Entered	1812
Vehicles Exited	1816
Hourly Exit Rate	1816
Input Volume	1828
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	986
Occupancy (veh)	13

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.0	0.0	0.2	0.0	0.4
Total Del/Veh (s)	4.5	5.2	0.2	1.0	0.6	0.9
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.8	3.7	0.0	0.1	0.1	0.3
Total Stops	93	15	0	0	0	108
Stop/Veh	0.98	0.60	0.00	0.00	0.00	0.06
Travel Dist (mi)	25.0	1.0	31.3	70.3	1.4	129.0
Travel Time (hr)	1.0	0.1	0.9	2.1	0.1	4.1
Avg Speed (mph)	24	12	35	34	25	31
Fuel Used (gal)	0.7	0.0	0.9	2.9	0.0	4.6
Fuel Eff. (mpg)	35.9	37.8	33.6	24.2	39.5	28.1
HC Emissions (g)	5	0	12	38	0	56
CO Emissions (g)	119	6	374	1713	14	2225
NOx Emissions (g)	15	1	46	140	1	202
Vehicles Entered	94	25	779	806	16	1720
Vehicles Exited	93	25	778	808	16	1720
Hourly Exit Rate	93	25	778	808	16	1720
Input Volume	96	25	790	814	14	1739
% of Volume	97	100	98	99	114	99
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						871
Occupancy (veh)	1	0	1	2	0	4

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0
Total Delay (hr)	0.0	0.2	0.0	0.1	0.3
Total Del/Veh (s)	1.7	1.0	0.9	0.2	0.6
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	1.4	0.1	0.1	0.0	0.1
Total Stops	16	0	0	0	16
Stop/Veh	0.30	0.00	0.00	0.00	0.01
Travel Dist (mi)	3.6	58.7	3.3	36.1	101.7
Travel Time (hr)	0.2	1.8	0.1	1.1	3.2
Avg Speed (mph)	19	33	23	33	32
Fuel Used (gal)	0.1	2.5	0.1	1.2	3.9
Fuel Eff. (mpg)	42.3	23.3	33.5	29.5	25.9
HC Emissions (g)	1	33	1	15	50
CO Emissions (g)	18	1534	47	556	2154
NOx Emissions (g)	2	122	4	56	184
Vehicles Entered	54	749	42	901	1746
Vehicles Exited	54	748	43	901	1746
Hourly Exit Rate	54	748	43	901	1746
Input Volume	56	758	44	910	1768
% of Volume	96	99	98	99	99
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					805
Occupancy (veh)	0	2	0	1	3

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	4.1	0.4	0.2	4.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.5	0.0	0.0	0.3	0.0	0.0	0.4	0.9	0.0	0.2	0.8	0.0
Total Del/Veh (s)	30.9	14.6	5.4	28.0	18.9	5.3	28.5	4.6	3.6	32.4	3.5	1.5
Stop Delay (hr)	0.4	0.0	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.2	0.4	0.0
Stop Del/Veh (s)	28.7	11.9	4.9	26.0	16.7	5.1	24.9	1.6	1.6	30.9	1.8	1.1
Total Stops	48	0	26	35	2	6	43	114	8	17	139	13
Stop/Veh	0.91	0.00	0.84	0.85	0.67	0.86	0.91	0.15	0.24	0.94	0.17	0.18
Travel Dist (mi)	8.3	0.1	4.9	5.2	0.4	0.9	9.2	146.1	6.6	1.4	61.3	5.4
Travel Time (hr)	0.8	0.0	0.2	0.6	0.0	0.0	0.7	4.8	0.2	0.2	2.3	0.2
Avg Speed (mph)	11	15	21	10	13	20	14	30	27	7	26	22
Fuel Used (gal)	0.3	0.0	0.1	0.2	0.0	0.0	0.4	5.8	0.2	0.1	1.9	0.1
Fuel Eff. (mpg)	24.4	28.0	35.8	23.8	25.8	36.7	22.7	25.1	27.5	22.7	32.8	54.2
HC Emissions (g)	1	0	2	3	0	0	3	80	5	0	20	1
CO Emissions (g)	51	1	41	58	3	3	173	3374	172	10	793	31
NOx Emissions (g)	5	0	5	7	0	0	13	289	15	1	75	2
Vehicles Entered	52	1	31	41	3	7	46	735	33	18	812	71
Vehicles Exited	53	1	30	41	3	7	46	732	33	18	811	71
Hourly Exit Rate	53	1	30	41	3	7	46	732	33	18	811	71
Input Volume	52	1	27	41	3	9	51	741	29	21	819	70
% of Volume	102	100	111	100	100	78	90	99	114	86	99	101
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	1	0	0	1	5	0	0	2	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.2
Total Delay (hr)	3.2
Total Del/Veh (s)	6.2
Stop Delay (hr)	2.1
Stop Del/Veh (s)	4.0
Total Stops	451
Stop/Veh	0.24
Travel Dist (mi)	249.6
Travel Time (hr)	10.2
Avg Speed (mph)	25
Fuel Used (gal)	9.2
Fuel Eff. (mpg)	27.1
HC Emissions (g)	115
CO Emissions (g)	4709
NOx Emissions (g)	413
Vehicles Entered	1850
Vehicles Exited	1846
Hourly Exit Rate	1846
Input Volume	1864
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	862
Occupancy (veh)	10

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.4	0.2	0.1	0.5	0.2	0.1	0.7	1.6	0.1	0.8	1.8	0.1
Total Del/Veh (s)	25.4	31.1	5.5	27.8	28.7	4.2	32.3	8.6	2.6	26.5	9.2	5.6
Stop Delay (hr)	0.3	0.2	0.1	0.5	0.2	0.1	0.7	1.0	0.1	0.7	1.1	0.1
Stop Del/Veh (s)	23.5	28.9	5.0	25.8	25.9	4.5	28.9	5.0	2.1	22.8	5.5	3.6
Total Stops	44	19	67	59	21	66	73	235	37	94	245	31
Stop/Veh	0.85	0.90	0.88	0.86	0.81	0.85	0.89	0.34	0.41	0.86	0.35	0.40
Travel Dist (mi)	6.7	2.8	9.9	4.3	1.7	5.1	29.6	249.9	33.2	21.1	136.9	15.2
Travel Time (hr)	0.6	0.3	0.6	0.7	0.3	0.3	1.6	8.0	1.0	1.4	5.3	0.6
Avg Speed (mph)	10	9	18	6	6	15	19	31	33	15	26	25
Fuel Used (gal)	0.3	0.1	0.3	0.2	0.1	0.1	0.9	6.8	0.8	0.8	4.7	0.5
Fuel Eff. (mpg)	25.0	25.0	34.3	19.6	21.4	45.7	33.2	36.6	39.6	25.8	29.4	31.1
HC Emissions (g)	1	0	2	1	0	1	10	79	9	6	56	5
CO Emissions (g)	34	12	43	33	7	16	266	2237	273	303	2219	232
NOx Emissions (g)	4	1	6	4	1	2	37	309	37	24	205	18
Vehicles Entered	51	21	76	68	26	78	81	685	91	108	697	77
Vehicles Exited	51	21	76	67	25	78	81	685	91	108	698	77
Hourly Exit Rate	51	21	76	67	25	78	81	685	91	108	698	77
Input Volume	51	25	79	65	24	82	87	688	90	111	705	71
% of Volume	100	84	96	103	104	95	93	100	101	97	99	108
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	0	2	8	1	1	5	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	6.7
Total Del/Veh (s)	11.5
Stop Delay (hr)	4.9
Stop Del/Veh (s)	8.5
Total Stops	991
Stop/Veh	0.48
Travel Dist (mi)	516.4
Travel Time (hr)	20.8
Avg Speed (mph)	25
Fuel Used (gal)	15.6
Fuel Eff. (mpg)	33.1
HC Emissions (g)	170
CO Emissions (g)	5675
NOx Emissions (g)	647
Vehicles Entered	2059
Vehicles Exited	2058
Hourly Exit Rate	2058
Input Volume	2078
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	802
Occupancy (veh)	21

Total Network Performance

Denied Delay (hr)	0.4
Denied Del/Veh (s)	0.6
Total Delay (hr)	15.7
Total Del/Veh (s)	22.0
Stop Delay (hr)	10.0
Stop Del/Veh (s)	14.0
Total Stops	2185
Stop/Veh	0.85
Travel Dist (mi)	2149.4
Travel Time (hr)	77.1
Avg Speed (mph)	28
Fuel Used (gal)	71.2
Fuel Eff. (mpg)	30.2
HC Emissions (g)	826
CO Emissions (g)	29153
NOx Emissions (g)	3064
Vehicles Entered	2502
Vehicles Exited	2490
Hourly Exit Rate	2490
Input Volume	12922
% of Volume	19
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	642
Occupancy (veh)	77

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	30	36	93	40	63	50	100	114	118	64	141	90
Average Queue (ft)	3	6	38	5	26	16	50	59	52	19	60	34
95th Queue (ft)	17	27	77	23	53	41	89	104	103	50	112	74
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)			0									
Queuing Penalty (veh)			0									

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	64	49
Average Queue (ft)	16	11
95th Queue (ft)	45	34
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB	SB
Directions Served	R	L	TR
Maximum Queue (ft)	76	55	8
Average Queue (ft)	35	14	0
95th Queue (ft)	59	42	5
Link Distance (ft)	1411		385
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		220	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	48
Average Queue (ft)	10
95th Queue (ft)	33
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	90	64	80	35	80	68	88	106	54	93	89	92
Average Queue (ft)	39	20	30	7	34	27	32	33	15	38	32	34
95th Queue (ft)	73	50	65	28	73	58	71	79	41	77	74	74
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L	
Maximum Queue (ft)	85	58	63	94	48	66	117	126	129	85	57	122	
Average Queue (ft)	35	18	33	38	14	20	52	65	44	33	19	58	
95th Queue (ft)	73	50	57	76	38	43	92	109	90	74	46	106	
Link Distance (ft)	632			277			277			1925			1925
Upstream Blk Time (%)													
Queuing Penalty (veh)													
Storage Bay Dist (ft)	100	100		80	320			400					
Storage Blk Time (%)	0				1	0							
Queuing Penalty (veh)	0				0	0							

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	104	126	127
Average Queue (ft)	48	60	56
95th Queue (ft)	90	110	107
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 1

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	3935	3914	3845	3827	3863	3878
Vehs Exited	3901	3900	3841	3830	3823	3858
Starting Vehs	117	91	120	127	105	106
Ending Vehs	151	105	124	124	145	126
Denied Entry Before	1	3	1	1	0	0
Denied Entry After	1	0	0	0	0	0
Travel Distance (mi)	3304	3282	3233	3228	3245	3258
Travel Time (hr)	133.2	131.9	130.7	129.3	127.6	130.5
Total Delay (hr)	39.7	39.0	39.2	37.8	35.8	38.3
Total Stops	4484	4401	4388	4358	4149	4360
Fuel Used (gal)	118.4	118.3	115.0	114.7	114.3	116.1

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	3935	3914	3845	3827	3863	3878
Vehs Exited	3901	3900	3841	3830	3823	3858
Starting Vehs	117	91	120	127	105	106
Ending Vehs	151	105	124	124	145	126
Denied Entry Before	1	3	1	1	0	0
Denied Entry After	1	0	0	0	0	0
Travel Distance (mi)	3304	3282	3233	3228	3245	3258
Travel Time (hr)	133.2	131.9	130.7	129.3	127.6	130.5
Total Delay (hr)	39.7	39.0	39.2	37.8	35.8	38.3
Total Stops	4484	4401	4388	4358	4149	4360
Fuel Used (gal)	118.4	118.3	115.0	114.7	114.3	116.1

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Denied Del/Veh (s)	4.0	0.1	0.2	3.0	0.6	3.1	0.0	0.0	0.0	2.1	0.2	0.1
Total Delay (hr)	0.1	0.1	0.0	1.2	0.1	0.5	0.1	5.3	0.2	1.6	1.5	0.0
Total Del/Veh (s)	28.6	25.0	6.2	30.5	23.8	8.9	34.8	14.9	5.1	30.0	5.3	1.4
Stop Delay (hr)	0.1	0.1	0.0	1.1	0.1	0.4	0.1	3.6	0.1	1.4	0.6	0.0
Stop Del/Veh (s)	26.5	22.1	5.5	27.4	20.3	8.0	32.5	10.3	3.9	25.7	2.2	0.9
Total Stops	15	9	11	127	10	140	9	676	67	164	213	1
Stop/Veh	0.88	0.82	0.92	0.88	0.77	0.77	1.00	0.53	0.58	0.85	0.21	0.20
Travel Dist (mi)	2.6	1.7	1.9	30.1	2.7	37.9	0.7	102.5	9.6	52.6	274.2	1.3
Travel Time (hr)	0.2	0.1	0.1	2.4	0.2	2.0	0.1	7.9	0.5	3.2	8.5	0.0
Avg Speed (mph)	11	13	20	13	15	20	6	13	18	17	33	32
Fuel Used (gal)	0.1	0.1	0.1	1.2	0.1	1.2	0.0	3.5	0.2	1.7	7.7	0.0
Fuel Eff. (mpg)	25.1	29.9	32.8	25.6	29.3	31.7	21.6	29.5	40.2	30.5	35.8	38.0
HC Emissions (g)	0	0	0	8	0	11	0	26	2	15	101	0
CO Emissions (g)	14	7	9	224	15	283	4	838	99	499	2994	8
NOx Emissions (g)	1	1	1	25	1	33	0	93	7	56	376	1
Vehicles Entered	17	11	12	143	13	179	9	1265	116	190	990	5
Vehicles Exited	17	11	12	143	13	181	9	1266	115	189	990	5
Hourly Exit Rate	17	11	12	143	13	181	9	1266	115	189	990	5
Input Volume	14	14	11	139	15	186	11	1266	118	184	997	4
% of Volume	121	79	109	103	87	97	82	100	97	103	99	125
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	2	0	2	0	8	1	3	8	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.5
Denied Del/Veh (s)	0.6
Total Delay (hr)	10.6
Total Del/Veh (s)	12.9
Stop Delay (hr)	7.6
Stop Del/Veh (s)	9.3
Total Stops	1442
Stop/Veh	0.49
Travel Dist (mi)	517.9
Travel Time (hr)	25.4
Avg Speed (mph)	21
Fuel Used (gal)	15.9
Fuel Eff. (mpg)	32.7
HC Emissions (g)	166
CO Emissions (g)	4996
NOx Emissions (g)	595
Vehicles Entered	2950
Vehicles Exited	2951
Hourly Exit Rate	2951
Input Volume	2959
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	516
Occupancy (veh)	25

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.1	0.2	0.5	0.0	0.8
Total Del/Veh (s)	5.0	6.7	0.4	1.4	1.0	1.1
Stop Delay (hr)	0.1	0.1	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	4.5	5.1	0.0	0.1	0.1	0.3
Total Stops	59	43	0	0	0	102
Stop/Veh	1.00	0.67	0.00	0.00	0.00	0.04
Travel Dist (mi)	15.8	2.6	56.0	98.0	1.9	174.2
Travel Time (hr)	0.7	0.2	1.7	3.1	0.1	5.8
Avg Speed (mph)	24	11	33	31	23	30
Fuel Used (gal)	0.4	0.1	1.7	4.9	0.1	7.2
Fuel Eff. (mpg)	36.5	32.2	32.6	19.8	29.5	24.1
HC Emissions (g)	5	0	23	76	0	104
CO Emissions (g)	87	14	851	3461	31	4444
NOx Emissions (g)	13	2	80	263	2	359
Vehicles Entered	59	64	1392	1123	22	2660
Vehicles Exited	59	63	1390	1123	22	2657
Hourly Exit Rate	59	63	1390	1123	22	2657
Input Volume	59	68	1396	1125	22	2670
% of Volume	100	93	100	100	100	100
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						622
Occupancy (veh)	1	0	2	3	0	6

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.7	0.1	0.1	1.0
Total Del/Veh (s)	4.4	1.9	1.9	0.3	1.3
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	3.8	0.1	0.1	0.0	0.2
Total Stops	40	0	0	1	41
Stop/Veh	0.43	0.00	0.00	0.00	0.01
Travel Dist (mi)	6.2	106.7	7.8	47.7	168.4
Travel Time (hr)	0.4	3.6	0.4	1.4	5.7
Avg Speed (mph)	15	30	21	35	29
Fuel Used (gal)	0.2	5.8	0.3	1.4	7.8
Fuel Eff. (mpg)	33.8	18.3	25.3	32.9	21.7
HC Emissions (g)	2	81	4	23	109
CO Emissions (g)	49	3940	149	730	4869
NOx Emissions (g)	5	292	14	79	390
Vehicles Entered	93	1370	100	1183	2746
Vehicles Exited	93	1368	99	1183	2743
Hourly Exit Rate	93	1368	99	1183	2743
Input Volume	97	1371	98	1185	2751
% of Volume	96	100	101	100	100
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					444
Occupancy (veh)	0	4	0	1	6

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.9	0.5	0.3	3.8	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.7	0.0	0.1	0.7	0.1	0.2	0.2	4.6	0.3	0.8	1.1	0.1
Total Del/Veh (s)	29.4	33.9	5.8	27.7	26.9	9.4	28.6	12.5	10.9	31.3	4.1	2.0
Stop Delay (hr)	0.6	0.0	0.1	0.6	0.1	0.2	0.2	2.4	0.1	0.7	0.6	0.0
Stop Del/Veh (s)	27.0	30.5	5.0	25.0	23.5	8.2	23.8	6.4	6.1	29.0	2.2	1.4
Total Stops	69	3	40	78	12	56	30	449	40	85	182	21
Stop/Veh	0.86	1.00	0.80	0.86	0.80	0.80	0.97	0.34	0.45	0.91	0.18	0.23
Travel Dist (mi)	12.4	0.5	7.8	11.7	1.9	8.9	6.2	264.2	17.4	7.0	75.7	7.0
Travel Time (hr)	1.2	0.0	0.4	1.2	0.2	0.5	0.4	11.6	0.8	1.1	3.0	0.3
Avg Speed (mph)	11	12	21	10	11	17	14	23	21	7	25	21
Fuel Used (gal)	0.5	0.0	0.2	0.5	0.1	0.3	0.3	11.8	0.7	0.3	2.4	0.1
Fuel Eff. (mpg)	23.7	24.6	34.8	21.5	25.0	31.2	21.1	22.4	25.3	21.5	32.1	57.2
HC Emissions (g)	3	0	2	6	0	4	5	145	9	2	30	2
CO Emissions (g)	107	4	58	166	16	103	163	6492	376	72	1048	39
NOx Emissions (g)	11	0	7	16	1	11	15	535	33	6	107	4
Vehicles Entered	79	3	50	91	15	69	31	1326	87	92	999	92
Vehicles Exited	77	3	49	89	15	69	30	1323	87	91	1000	92
Hourly Exit Rate	77	3	49	89	15	69	30	1323	87	91	1000	92
Input Volume	80	2	48	89	14	76	31	1313	88	95	997	93
% of Volume	96	150	102	100	107	91	97	101	99	96	100	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	1	0	1	0	12	1	1	3	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.2
Total Delay (hr)	8.9
Total Del/Veh (s)	10.9
Stop Delay (hr)	5.7
Stop Del/Veh (s)	6.9
Total Stops	1065
Stop/Veh	0.36
Travel Dist (mi)	420.6
Travel Time (hr)	20.8
Avg Speed (mph)	20
Fuel Used (gal)	17.2
Fuel Eff. (mpg)	24.4
HC Emissions (g)	209
CO Emissions (g)	8643
NOx Emissions (g)	746
Vehicles Entered	2934
Vehicles Exited	2925
Hourly Exit Rate	2925
Input Volume	2926
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	421
Occupancy (veh)	21

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.7	0.3	0.3	0.7	0.4	0.3	0.8	5.2	0.0	1.4	3.3	0.1
Total Del/Veh (s)	28.4	33.6	7.5	26.8	30.3	8.1	34.2	15.1	3.4	28.7	13.0	8.8
Stop Delay (hr)	0.6	0.2	0.2	0.6	0.3	0.3	0.7	3.2	0.0	1.2	2.1	0.1
Stop Del/Veh (s)	26.2	30.8	6.6	24.7	27.2	8.3	30.0	9.2	3.0	24.4	8.3	6.3
Total Stops	74	25	107	76	38	111	76	598	27	149	405	24
Stop/Veh	0.88	0.93	0.87	0.85	0.83	0.85	0.90	0.48	0.53	0.86	0.44	0.50
Travel Dist (mi)	10.8	3.5	15.9	5.6	3.0	8.4	30.2	449.1	18.4	33.7	181.4	9.5
Travel Time (hr)	1.1	0.4	1.0	0.9	0.5	0.7	1.7	16.6	0.6	2.4	8.1	0.4
Avg Speed (mph)	10	9	17	6	6	12	19	27	33	14	22	23
Fuel Used (gal)	0.5	0.1	0.5	0.3	0.1	0.2	0.9	12.4	0.5	1.4	6.6	0.3
Fuel Eff. (mpg)	23.7	23.5	32.6	19.8	20.8	39.0	32.7	36.2	39.4	24.7	27.4	27.8
HC Emissions (g)	2	0	3	1	1	1	7	124	9	18	86	8
CO Emissions (g)	58	12	67	42	17	28	236	3674	222	638	3315	264
NOx Emissions (g)	8	1	10	5	2	3	28	489	32	56	296	24
Vehicles Entered	83	27	123	88	46	130	83	1227	50	172	919	48
Vehicles Exited	82	27	123	88	46	130	83	1232	50	169	917	48
Hourly Exit Rate	82	27	123	88	46	130	83	1232	50	169	917	48
Input Volume	78	23	128	99	50	131	89	1222	53	160	932	43
% of Volume	105	117	96	89	92	99	93	101	94	106	98	112
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	1	2	17	1	2	8	0

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	13.4
Total Del/Veh (s)	16.0
Stop Delay (hr)	9.6
Stop Del/Veh (s)	11.5
Total Stops	1710
Stop/Veh	0.57
Travel Dist (mi)	769.5
Travel Time (hr)	34.3
Avg Speed (mph)	23
Fuel Used (gal)	23.8
Fuel Eff. (mpg)	32.3
HC Emissions (g)	261
CO Emissions (g)	8575
NOx Emissions (g)	953
Vehicles Entered	2996
Vehicles Exited	2995
Hourly Exit Rate	2995
Input Volume	3008
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	485
Occupancy (veh)	34

Total Network Performance

Denied Delay (hr)	0.8
Denied Del/Veh (s)	0.7
Total Delay (hr)	37.5
Total Del/Veh (s)	33.9
Stop Delay (hr)	23.5
Stop Del/Veh (s)	21.2
Total Stops	4360
Stop/Veh	1.09
Travel Dist (mi)	3258.4
Travel Time (hr)	130.5
Avg Speed (mph)	25
Fuel Used (gal)	116.1
Fuel Eff. (mpg)	28.1
HC Emissions (g)	1400
CO Emissions (g)	50601
NOx Emissions (g)	5055
Vehicles Entered	3878
Vehicles Exited	3858
Hourly Exit Rate	3858
Input Volume	19585
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	379
Occupancy (veh)	130

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	43	52	144	95	117	71	206	225	246	72	188	155
Average Queue (ft)	14	16	78	10	47	10	115	132	137	35	94	65
95th Queue (ft)	41	44	127	49	89	44	176	192	206	65	157	124
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)		0	1		0		1					
Queuing Penalty (veh)		0	3		0		0					

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	101	72
Average Queue (ft)	39	23
95th Queue (ft)	84	57
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB	SB
Directions Served	R	L	TR
Maximum Queue (ft)	62	63	4
Average Queue (ft)	30	28	0
95th Queue (ft)	50	57	3
Link Distance (ft)	1411		385
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		220	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	57
Average Queue (ft)	21
95th Queue (ft)	48
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	114	76	108	99	75	166	179	235	123	96	91	98
Average Queue (ft)	49	26	55	40	25	77	93	121	58	46	45	40
95th Queue (ft)	91	58	97	75	57	139	157	197	106	86	80	82
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)	0		0	0								
Queuing Penalty (veh)	0		0	0								

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L
Maximum Queue (ft)	106	79	77	104	152	85	116	218	223	188	50	168
Average Queue (ft)	53	23	43	45	29	34	53	124	110	97	13	92
95th Queue (ft)	98	61	70	87	86	65	95	189	181	162	36	150
Link Distance (ft)		632			277	277		1925	1925	1925	1925	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		100	80			320					400
Storage Blk Time (%)	2	0	0	2	1							
Queuing Penalty (veh)	3	0	0	1	1							

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	170	168	166
Average Queue (ft)	71	88	88
95th Queue (ft)	125	144	152
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 9

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	2908	2973	2924	2910	2811	2906
Vehs Exited	2918	2962	2911	2904	2820	2903
Starting Vehs	90	94	79	84	93	89
Ending Vehs	80	105	92	90	84	93
Denied Entry Before	0	1	0	2	0	0
Denied Entry After	0	1	1	0	0	0
Travel Distance (mi)	2401	2465	2405	2425	2340	2407
Travel Time (hr)	93.0	95.3	92.9	94.0	89.8	93.0
Total Delay (hr)	22.8	23.2	22.5	23.0	21.4	22.6
Total Stops	3098	3021	3060	3065	2853	3018
Fuel Used (gal)	83.3	85.3	83.2	84.4	80.5	83.3

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	2908	2973	2924	2910	2811	2906
Vehs Exited	2918	2962	2911	2904	2820	2903
Starting Vehs	90	94	79	84	93	89
Ending Vehs	80	105	92	90	84	93
Denied Entry Before	0	1	0	2	0	0
Denied Entry After	0	1	1	0	0	0
Travel Distance (mi)	2401	2465	2405	2425	2340	2407
Travel Time (hr)	93.0	95.3	92.9	94.0	89.8	93.0
Total Delay (hr)	22.8	23.2	22.5	23.0	21.4	22.6
Total Stops	3098	3021	3060	3065	2853	3018
Fuel Used (gal)	83.3	85.3	83.2	84.4	80.5	83.3

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Denied Del/Veh (s)	5.0	0.1	0.1	2.9	0.3	2.9	0.0	0.0	0.0	2.3	0.2	0.2
Total Delay (hr)	0.0	0.1	0.0	0.5	0.0	0.1	0.1	1.8	0.1	0.8	0.9	0.0
Total Del/Veh (s)	25.8	28.0	5.4	25.3	23.4	5.7	27.9	8.4	3.4	26.5	3.8	1.0
Stop Delay (hr)	0.0	0.1	0.0	0.5	0.0	0.1	0.1	1.2	0.1	0.7	0.3	0.0
Stop Del/Veh (s)	24.0	26.0	4.8	23.2	20.8	5.5	26.2	5.4	2.7	23.4	1.4	0.6
Total Stops	2	6	1	71	6	63	13	318	50	95	137	1
Stop/Veh	1.00	0.86	1.00	0.91	0.86	0.85	0.93	0.40	0.48	0.86	0.17	0.20
Travel Dist (mi)	0.4	1.1	0.2	16.3	1.4	15.6	1.1	66.0	8.6	29.6	225.9	1.5
Travel Time (hr)	0.0	0.1	0.0	1.3	0.1	0.9	0.1	3.5	0.4	1.7	6.6	0.0
Avg Speed (mph)	12	11	19	13	14	19	8	19	20	18	34	34
Fuel Used (gal)	0.0	0.0	0.0	0.6	0.1	0.5	0.0	2.0	0.2	0.9	6.2	0.0
Fuel Eff. (mpg)	27.7	26.0	37.8	26.7	28.2	32.7	24.1	32.2	42.0	32.0	36.5	41.6
HC Emissions (g)	0	0	0	5	0	4	0	19	2	6	69	0
CO Emissions (g)	1	4	1	117	5	100	12	723	96	238	2115	10
NOx Emissions (g)	0	0	0	15	1	14	1	69	6	26	275	1
Vehicles Entered	2	7	1	77	7	74	14	792	103	107	815	5
Vehicles Exited	2	7	1	77	7	74	14	792	104	106	813	5
Hourly Exit Rate	2	7	1	77	7	74	14	792	104	106	813	5
Input Volume	4	8	1	75	7	79	15	775	98	109	835	5
% of Volume	50	88	100	103	100	94	93	102	106	97	97	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	1	0	1	0	4	0	2	7	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.4
Total Delay (hr)	4.5
Total Del/Veh (s)	8.1
Stop Delay (hr)	3.1
Stop Del/Veh (s)	5.6
Total Stops	763
Stop/Veh	0.38
Travel Dist (mi)	367.6
Travel Time (hr)	14.9
Avg Speed (mph)	25
Fuel Used (gal)	10.6
Fuel Eff. (mpg)	34.5
HC Emissions (g)	106
CO Emissions (g)	3421
NOx Emissions (g)	407
Vehicles Entered	2004
Vehicles Exited	2002
Hourly Exit Rate	2002
Input Volume	2011
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	877
Occupancy (veh)	15

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.0	0.1	0.3	0.0	0.5
Total Del/Veh (s)	4.9	5.2	0.2	1.2	0.5	1.0
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	4.3	3.6	0.0	0.1	0.1	0.3
Total Stops	96	16	0	0	0	112
Stop/Veh	0.99	0.59	0.00	0.00	0.00	0.06
Travel Dist (mi)	25.7	1.1	36.3	76.3	1.3	140.7
Travel Time (hr)	1.2	0.1	1.2	2.3	0.0	4.9
Avg Speed (mph)	21	12	31	33	26	29
Fuel Used (gal)	0.8	0.0	1.4	3.4	0.0	5.7
Fuel Eff. (mpg)	34.1	32.5	25.1	22.4	41.3	24.8
HC Emissions (g)	3	0	18	48	0	70
CO Emissions (g)	89	7	742	2197	11	3046
NOx Emissions (g)	12	1	69	172	1	254
Vehicles Entered	96	27	908	878	15	1924
Vehicles Exited	96	27	909	878	15	1925
Hourly Exit Rate	96	27	909	878	15	1925
Input Volume	100	30	889	898	14	1931
% of Volume	96	90	102	98	107	100
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						740
Occupancy (veh)	1	0	1	2	0	5

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.5	0.1	0.1	0.7
Total Del/Veh (s)	2.5	2.1	2.1	0.3	1.2
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	1.6	0.1	0.1	0.0	0.2
Total Stops	40	0	0	0	40
Stop/Veh	0.25	0.00	0.00	0.00	0.02
Travel Dist (mi)	10.5	60.8	6.9	39.0	117.2
Travel Time (hr)	0.6	2.0	0.3	1.2	4.2
Avg Speed (mph)	18	30	21	33	28
Fuel Used (gal)	0.3	3.6	0.3	1.3	5.5
Fuel Eff. (mpg)	34.4	16.9	24.1	30.2	21.4
HC Emissions (g)	3	45	5	17	70
CO Emissions (g)	95	2538	169	630	3432
NOx Emissions (g)	10	169	16	62	256
Vehicles Entered	157	775	88	972	1992
Vehicles Exited	157	777	89	973	1996
Hourly Exit Rate	157	777	89	973	1996
Input Volume	155	763	86	997	2001
% of Volume	101	102	103	98	100
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					614
Occupancy (veh)	1	2	0	1	4

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.5	0.4	0.2	3.9	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.3	0.0	0.0	0.9	0.0	0.0	0.4	2.4	0.2	0.7	1.3	0.1
Total Del/Veh (s)	20.2	17.1	4.5	20.6	19.6	5.3	30.1	10.8	8.7	24.5	6.0	3.0
Stop Delay (hr)	0.3	0.0	0.0	0.8	0.0	0.0	0.4	1.2	0.1	0.6	0.8	0.0
Stop Del/Veh (s)	18.6	15.2	4.1	18.5	17.7	4.6	25.9	5.3	5.0	22.2	3.5	2.3
Total Stops	40	1	22	124	2	8	49	314	49	95	231	22
Stop/Veh	0.80	1.00	0.79	0.79	0.67	0.80	0.92	0.39	0.52	0.91	0.29	0.31
Travel Dist (mi)	7.7	0.2	4.4	19.8	0.4	1.2	10.3	160.5	18.8	7.8	60.4	5.3
Travel Time (hr)	0.6	0.0	0.2	1.9	0.0	0.1	0.8	6.7	0.8	1.0	2.9	0.3
Avg Speed (mph)	13	14	19	11	12	18	14	24	22	8	21	20
Fuel Used (gal)	0.3	0.0	0.1	0.8	0.0	0.0	0.5	6.6	0.7	0.3	1.9	0.1
Fuel Eff. (mpg)	26.8	28.2	34.6	23.4	26.1	33.9	21.2	24.2	26.9	24.3	32.2	51.1
HC Emissions (g)	1	0	2	5	0	0	5	82	12	2	20	1
CO Emissions (g)	30	1	30	145	2	5	239	3805	435	70	789	37
NOx Emissions (g)	3	0	4	17	0	1	18	292	39	5	72	3
Vehicles Entered	49	1	28	154	3	10	52	811	95	103	798	70
Vehicles Exited	49	1	28	155	3	10	51	804	94	103	796	70
Hourly Exit Rate	49	1	28	155	3	10	51	804	94	103	796	70
Input Volume	52	1	27	163	3	14	51	783	90	108	819	70
% of Volume	94	100	104	95	100	71	100	103	104	95	97	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	2	0	0	1	7	1	1	3	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.4
Total Delay (hr)	6.5
Total Del/Veh (s)	10.7
Stop Delay (hr)	4.3
Stop Del/Veh (s)	7.1
Total Stops	957
Stop/Veh	0.44
Travel Dist (mi)	296.8
Travel Time (hr)	15.3
Avg Speed (mph)	20
Fuel Used (gal)	11.4
Fuel Eff. (mpg)	26.0
HC Emissions (g)	129
CO Emissions (g)	5588
NOx Emissions (g)	454
Vehicles Entered	2174
Vehicles Exited	2164
Hourly Exit Rate	2164
Input Volume	2181
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	575
Occupancy (veh)	15

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.5	0.2	0.1	0.4	0.2	0.2	0.7	2.2	0.1	1.2	2.1	0.1
Total Del/Veh (s)	27.2	29.6	6.3	25.1	28.3	5.5	30.9	10.2	3.1	31.8	9.8	6.0
Stop Delay (hr)	0.5	0.2	0.1	0.4	0.2	0.2	0.7	1.4	0.1	1.1	1.1	0.1
Stop Del/Veh (s)	25.3	27.1	5.7	23.3	25.3	5.7	27.4	6.2	2.6	27.5	5.3	3.4
Total Stops	60	22	63	51	21	96	77	302	36	121	266	31
Stop/Veh	0.87	0.88	0.85	0.84	0.81	0.88	0.90	0.38	0.41	0.86	0.35	0.37
Travel Dist (mi)	8.8	3.2	9.6	3.9	1.7	7.0	30.6	284.3	31.6	27.6	149.9	16.5
Travel Time (hr)	0.9	0.3	0.6	0.6	0.3	0.5	1.6	9.5	1.0	2.1	6.1	0.7
Avg Speed (mph)	10	9	17	7	6	14	19	30	33	13	25	24
Fuel Used (gal)	0.4	0.1	0.3	0.2	0.1	0.2	0.9	7.8	0.8	1.2	5.9	0.6
Fuel Eff. (mpg)	24.2	24.2	34.0	21.1	21.5	43.7	33.1	36.4	39.1	22.4	25.5	26.7
HC Emissions (g)	1	1	2	1	0	1	11	81	13	12	76	8
CO Emissions (g)	32	28	49	21	7	25	270	2404	342	568	3361	359
NOx Emissions (g)	4	4	7	2	1	3	37	323	47	42	265	26
Vehicles Entered	68	24	74	61	26	109	84	776	87	140	757	83
Vehicles Exited	67	24	74	61	26	108	84	781	86	140	762	84
Hourly Exit Rate	67	24	74	61	26	108	84	781	86	140	762	84
Input Volume	66	25	79	65	24	99	87	758	90	131	789	89
% of Volume	102	96	94	94	108	109	97	103	96	107	97	94
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	1	2	9	1	2	6	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	8.2
Total Del/Veh (s)	12.7
Stop Delay (hr)	5.9
Stop Del/Veh (s)	9.2
Total Stops	1146
Stop/Veh	0.49
Travel Dist (mi)	574.6
Travel Time (hr)	24.0
Avg Speed (mph)	24
Fuel Used (gal)	18.5
Fuel Eff. (mpg)	31.1
HC Emissions (g)	206
CO Emissions (g)	7466
NOx Emissions (g)	761
Vehicles Entered	2289
Vehicles Exited	2297
Hourly Exit Rate	2297
Input Volume	2302
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	693
Occupancy (veh)	24

Total Network Performance

Denied Delay (hr)	0.5
Denied Del/Veh (s)	0.7
Total Delay (hr)	22.0
Total Del/Veh (s)	26.5
Stop Delay (hr)	13.8
Stop Del/Veh (s)	16.6
Total Stops	3018
Stop/Veh	1.01
Travel Dist (mi)	2407.2
Travel Time (hr)	93.0
Avg Speed (mph)	26
Fuel Used (gal)	83.3
Fuel Eff. (mpg)	28.9
HC Emissions (g)	936
CO Emissions (g)	34976
NOx Emissions (g)	3472
Vehicles Entered	2906
Vehicles Exited	2903
Hourly Exit Rate	2903
Input Volume	14595
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	533
Occupancy (veh)	92

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	30	43	108	24	63	54	126	136	152	76	107	109
Average Queue (ft)	3	8	43	5	23	12	55	68	74	27	54	44
95th Queue (ft)	16	31	89	20	48	38	105	123	133	58	97	97
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)			0									
Queuing Penalty (veh)			0									

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	70	68
Average Queue (ft)	22	15
95th Queue (ft)	56	45
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB
Directions Served	R	L
Maximum Queue (ft)	66	56
Average Queue (ft)	36	14
95th Queue (ft)	59	43
Link Distance (ft)	1411	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		220
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	94
Average Queue (ft)	22
95th Queue (ft)	57
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	84	52	130	66	76	140	148	182	133	110	108	100
Average Queue (ft)	31	18	69	12	35	57	65	84	58	54	50	47
95th Queue (ft)	67	46	112	51	68	115	130	154	102	94	91	88
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)	0		1									
Queuing Penalty (veh)	0		0									

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L	
Maximum Queue (ft)	85	70	72	71	56	78	121	142	112	126	66	158	
Average Queue (ft)	43	20	33	31	14	27	52	76	54	55	18	75	
95th Queue (ft)	76	57	62	62	41	55	96	123	100	107	44	133	
Link Distance (ft)	632			277			277			1925	1925	1925	1925
Upstream Blk Time (%)													
Queuing Penalty (veh)													
Storage Bay Dist (ft)	100	100		80	320			400					
Storage Blk Time (%)	0	0	0	0	0								
Queuing Penalty (veh)	0	0	0	0	0								

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	107	126	146
Average Queue (ft)	49	63	64
95th Queue (ft)	93	108	119
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 1

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	4372	4304	4267	4251	4377	4316
Vehs Exited	4331	4285	4266	4257	4369	4302
Starting Vehs	140	136	142	147	142	139
Ending Vehs	181	155	143	141	150	152
Denied Entry Before	0	1	0	2	1	0
Denied Entry After	0	0	0	1	2	0
Travel Distance (mi)	3549	3520	3479	3486	3580	3523
Travel Time (hr)	148.5	149.4	145.3	147.0	152.0	148.4
Total Delay (hr)	45.4	47.2	44.3	45.8	47.5	46.0
Total Stops	5066	5187	4935	5057	5202	5089
Fuel Used (gal)	128.5	129.4	126.7	127.2	130.5	128.4

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	4372	4304	4267	4251	4377	4316
Vehs Exited	4331	4285	4266	4257	4369	4302
Starting Vehs	140	136	142	147	142	139
Ending Vehs	181	155	143	141	150	152
Denied Entry Before	0	1	0	2	1	0
Denied Entry After	0	0	0	1	2	0
Travel Distance (mi)	3549	3520	3479	3486	3580	3523
Travel Time (hr)	148.5	149.4	145.3	147.0	152.0	148.4
Total Delay (hr)	45.4	47.2	44.3	45.8	47.5	46.0
Total Stops	5066	5187	4935	5057	5202	5089
Fuel Used (gal)	128.5	129.4	126.7	127.2	130.5	128.4

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Denied Del/Veh (s)	3.7	0.1	0.2	2.7	0.7	2.7	0.0	0.0	0.0	2.0	0.3	0.1
Total Delay (hr)	0.1	0.1	0.0	1.1	0.1	0.5	0.1	4.4	0.2	1.4	1.8	0.0
Total Del/Veh (s)	18.9	16.8	7.4	25.1	22.3	10.2	37.0	11.9	5.1	27.7	5.9	1.1
Stop Delay (hr)	0.1	0.1	0.0	1.0	0.1	0.5	0.1	2.7	0.1	1.2	0.7	0.0
Stop Del/Veh (s)	17.1	14.7	6.9	22.3	19.4	9.1	34.4	7.3	3.5	23.4	2.3	0.6
Total Stops	9	10	10	138	9	139	7	586	72	160	256	1
Stop/Veh	0.69	0.62	0.77	0.85	0.75	0.76	1.00	0.44	0.53	0.86	0.24	0.25
Travel Dist (mi)	1.9	2.4	2.0	33.5	2.5	38.5	0.6	108.0	11.3	50.9	298.5	1.0
Travel Time (hr)	0.2	0.2	0.1	2.6	0.2	2.3	0.1	7.2	0.6	3.0	9.4	0.0
Avg Speed (mph)	13	14	17	13	14	18	6	15	18	18	32	34
Fuel Used (gal)	0.1	0.1	0.1	1.3	0.1	1.3	0.0	3.7	0.3	1.6	8.4	0.0
Fuel Eff. (mpg)	25.8	28.7	31.8	25.9	29.3	30.1	22.0	29.5	37.8	31.1	35.5	39.6
HC Emissions (g)	0	0	0	9	0	9	0	32	3	15	100	0
CO Emissions (g)	8	10	7	233	10	237	4	1151	135	483	3174	5
NOx Emissions (g)	1	1	1	30	1	31	0	114	9	54	379	1
Vehicles Entered	13	16	13	159	12	182	7	1329	136	184	1079	4
Vehicles Exited	13	16	12	159	12	182	7	1330	136	184	1079	4
Hourly Exit Rate	13	16	12	159	12	182	7	1330	136	184	1079	4
Input Volume	14	14	11	154	15	186	11	1347	133	184	1078	4
% of Volume	93	114	109	103	80	98	64	99	102	100	100	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	3	0	2	0	7	1	3	9	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.4
Denied Del/Veh (s)	0.5
Total Delay (hr)	9.8
Total Del/Veh (s)	11.2
Stop Delay (hr)	6.5
Stop Del/Veh (s)	7.4
Total Stops	1397
Stop/Veh	0.44
Travel Dist (mi)	551.1
Travel Time (hr)	25.9
Avg Speed (mph)	22
Fuel Used (gal)	16.9
Fuel Eff. (mpg)	32.6
HC Emissions (g)	170
CO Emissions (g)	5459
NOx Emissions (g)	621
Vehicles Entered	3134
Vehicles Exited	3134
Hourly Exit Rate	3134
Input Volume	3151
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	504
Occupancy (veh)	25

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.2	0.2	0.6	0.0	1.1
Total Del/Veh (s)	6.2	8.5	0.6	1.7	1.1	1.4
Stop Delay (hr)	0.1	0.1	0.0	0.0	0.0	0.3
Stop Del/Veh (s)	5.6	6.9	0.0	0.1	0.1	0.4
Total Stops	63	46	2	1	1	113
Stop/Veh	0.98	0.69	0.00	0.00	0.05	0.04
Travel Dist (mi)	17.0	2.7	59.1	107.1	1.9	187.8
Travel Time (hr)	0.8	0.3	2.0	3.5	0.1	6.6
Avg Speed (mph)	20	9	30	31	23	28
Fuel Used (gal)	0.5	0.1	2.2	5.6	0.1	8.5
Fuel Eff. (mpg)	33.0	26.7	27.2	19.1	29.4	22.2
HC Emissions (g)	3	0	32	82	0	117
CO Emissions (g)	72	15	1235	3964	30	5316
NOx Emissions (g)	10	2	110	288	2	412
Vehicles Entered	64	67	1473	1229	22	2855
Vehicles Exited	63	67	1474	1229	22	2855
Hourly Exit Rate	63	67	1474	1229	22	2855
Input Volume	63	72	1493	1222	22	2872
% of Volume	100	93	99	101	100	99
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						541
Occupancy (veh)	1	0	2	3	0	7

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0
Total Delay (hr)	0.3	1.1	0.1	0.1	1.7
Total Del/Veh (s)	5.8	3.0	3.0	0.4	2.0
Stop Delay (hr)	0.2	0.0	0.0	0.0	0.3
Stop Del/Veh (s)	4.7	0.1	0.1	0.0	0.4
Total Stops	85	1	0	0	86
Stop/Veh	0.45	0.00	0.00	0.00	0.03
Travel Dist (mi)	12.8	105.7	11.2	52.0	181.7
Travel Time (hr)	0.9	4.0	0.6	1.5	7.0
Avg Speed (mph)	14	27	19	34	26
Fuel Used (gal)	0.4	6.8	0.5	1.5	9.3
Fuel Eff. (mpg)	30.6	15.5	20.9	34.6	19.6
HC Emissions (g)	4	98	6	22	129
CO Emissions (g)	127	4816	240	744	5927
NOx Emissions (g)	12	360	23	74	470
Vehicles Entered	191	1358	144	1291	2984
Vehicles Exited	190	1353	144	1291	2978
Hourly Exit Rate	190	1353	144	1291	2978
Input Volume	194	1375	146	1285	3000
% of Volume	98	98	99	100	99
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					366
Occupancy (veh)	1	4	1	2	7

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.6	0.6	0.3	3.7	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.5	0.0	0.1	1.5	0.1	0.2	0.3	7.2	0.9	1.6	1.9	0.1
Total Del/Veh (s)	24.3	32.4	5.9	25.0	23.3	9.0	38.1	19.0	19.5	29.0	6.9	4.0
Stop Delay (hr)	0.5	0.0	0.1	1.3	0.1	0.2	0.3	3.6	0.5	1.4	1.0	0.1
Stop Del/Veh (s)	22.3	30.0	5.2	22.3	20.1	7.7	32.2	9.6	10.6	25.7	3.7	2.7
Total Stops	67	1	36	175	11	55	29	695	104	166	313	33
Stop/Veh	0.83	1.00	0.77	0.84	0.73	0.71	0.97	0.51	0.64	0.86	0.31	0.37
Travel Dist (mi)	12.7	0.2	7.3	26.7	1.9	9.9	5.9	268.0	32.1	14.4	76.6	6.7
Travel Time (hr)	1.2	0.0	0.4	2.8	0.2	0.6	0.5	14.2	1.9	2.1	3.9	0.4
Avg Speed (mph)	12	11	19	10	11	16	12	19	17	7	20	18
Fuel Used (gal)	0.5	0.0	0.2	1.2	0.1	0.3	0.3	11.8	1.3	0.7	2.5	0.1
Fuel Eff. (mpg)	24.8	24.7	33.1	21.6	25.5	31.0	20.0	22.7	24.3	20.7	31.1	49.4
HC Emissions (g)	2	0	2	6	0	3	4	141	15	4	27	2
CO Emissions (g)	74	1	43	219	11	71	150	6208	611	145	1011	43
NOx Emissions (g)	9	0	6	24	1	9	13	505	52	12	95	4
Vehicles Entered	80	1	46	207	15	77	29	1352	162	191	1011	89
Vehicles Exited	80	1	47	206	15	77	30	1345	161	192	1012	89
Hourly Exit Rate	80	1	47	206	15	77	30	1345	161	192	1012	89
Input Volume	80	2	48	208	14	80	31	1361	158	195	997	93
% of Volume	100	50	98	99	107	96	97	99	102	98	102	96
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	3	0	1	0	14	2	2	4	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.3
Denied Del/Veh (s)	0.4
Total Delay (hr)	14.3
Total Del/Veh (s)	15.7
Stop Delay (hr)	9.0
Stop Del/Veh (s)	9.8
Total Stops	1685
Stop/Veh	0.51
Travel Dist (mi)	462.5
Travel Time (hr)	28.1
Avg Speed (mph)	17
Fuel Used (gal)	19.1
Fuel Eff. (mpg)	24.3
HC Emissions (g)	205
CO Emissions (g)	8585
NOx Emissions (g)	729
Vehicles Entered	3260
Vehicles Exited	3255
Hourly Exit Rate	3255
Input Volume	3267
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	312
Occupancy (veh)	28

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.8	0.2	0.3	0.8	0.4	0.4	0.9	5.8	0.1	1.9	3.5	0.2
Total Del/Veh (s)	31.6	37.1	8.0	30.6	32.3	9.5	35.2	15.6	3.4	35.1	12.4	8.8
Stop Delay (hr)	0.8	0.2	0.2	0.8	0.4	0.4	0.7	3.5	0.0	1.6	1.9	0.1
Stop Del/Veh (s)	29.4	34.7	7.2	28.3	29.2	9.6	30.9	9.5	3.1	29.8	6.9	5.3
Total Stops	83	17	108	84	42	126	78	640	29	166	405	30
Stop/Veh	0.89	0.85	0.86	0.86	0.86	0.88	0.90	0.48	0.51	0.87	0.40	0.48
Travel Dist (mi)	11.9	2.5	16.1	6.2	3.1	9.3	31.0	477.2	20.4	37.4	200.0	12.3
Travel Time (hr)	1.3	0.3	1.0	1.1	0.5	0.8	1.7	17.9	0.6	3.0	8.8	0.6
Avg Speed (mph)	9	8	16	6	6	11	18	27	32	12	23	22
Fuel Used (gal)	0.5	0.1	0.5	0.3	0.2	0.2	1.0	13.3	0.5	1.7	8.3	0.5
Fuel Eff. (mpg)	22.8	22.7	32.4	17.9	19.6	37.1	32.6	36.0	37.8	21.4	24.2	26.5
HC Emissions (g)	2	0	5	1	0	1	10	145	9	18	107	7
CO Emissions (g)	62	9	107	41	16	29	272	4162	230	821	4718	298
NOx Emissions (g)	8	1	16	4	1	3	36	553	31	61	371	23
Vehicles Entered	92	20	124	97	48	143	85	1305	56	190	1013	62
Vehicles Exited	92	19	124	98	47	143	86	1309	56	191	1010	62
Hourly Exit Rate	92	19	124	98	47	143	86	1309	56	191	1010	62
Input Volume	96	23	128	99	50	151	89	1303	53	180	1013	61
% of Volume	96	83	97	99	94	95	97	100	106	106	100	102
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	1	1	2	18	1	3	9	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	15.2
Total Del/Veh (s)	16.7
Stop Delay (hr)	10.7
Stop Del/Veh (s)	11.8
Total Stops	1808
Stop/Veh	0.55
Travel Dist (mi)	827.4
Travel Time (hr)	37.7
Avg Speed (mph)	22
Fuel Used (gal)	27.1
Fuel Eff. (mpg)	30.5
HC Emissions (g)	306
CO Emissions (g)	10764
NOx Emissions (g)	1108
Vehicles Entered	3235
Vehicles Exited	3237
Hourly Exit Rate	3237
Input Volume	3246
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	441
Occupancy (veh)	38

Total Network Performance

Denied Delay (hr)	0.9
Denied Del/Veh (s)	0.7
Total Delay (hr)	45.1
Total Del/Veh (s)	36.5
Stop Delay (hr)	27.0
Stop Del/Veh (s)	21.8
Total Stops	5089
Stop/Veh	1.14
Travel Dist (mi)	3522.9
Travel Time (hr)	148.4
Avg Speed (mph)	24
Fuel Used (gal)	128.4
Fuel Eff. (mpg)	27.4
HC Emissions (g)	1478
CO Emissions (g)	55270
NOx Emissions (g)	5418
Vehicles Entered	4316
Vehicles Exited	4302
Hourly Exit Rate	4302
Input Volume	21360
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	334
Occupancy (veh)	148

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	45	53	145	133	125	38	200	220	214	97	167	153
Average Queue (ft)	9	18	75	11	51	6	98	117	126	38	86	71
95th Queue (ft)	34	46	131	63	95	27	176	199	200	77	145	128
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)	0		2		0		0					
Queuing Penalty (veh)	0		4		0		0					

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	126	85
Average Queue (ft)	40	27
95th Queue (ft)	90	62
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB	SB
Directions Served	R	L	TR
Maximum Queue (ft)	63	88	22
Average Queue (ft)	32	28	1
95th Queue (ft)	57	62	11
Link Distance (ft)	1411		385
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		220	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: France Ave & Business Access

Movement	WB	NB	NB
Directions Served	R	T	T
Maximum Queue (ft)	116	5	13
Average Queue (ft)	41	0	0
95th Queue (ft)	83	3	7
Link Distance (ft)	344	343	343
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	112	75	141	184	73	225	256	322	199	135	138	143
Average Queue (ft)	49	25	94	49	25	112	134	176	96	63	71	65
95th Queue (ft)	97	56	145	120	59	206	233	282	162	114	126	120
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)	0		5	0								
Queuing Penalty (veh)	0		5	0								

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L
Maximum Queue (ft)	110	66	92	99	109	103	114	222	203	210	53	240
Average Queue (ft)	55	17	45	52	30	40	56	127	119	122	15	108
95th Queue (ft)	93	50	79	94	75	78	97	193	190	204	40	190
Link Distance (ft)		632			277	277		1925	1925	1925	1925	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	100		100	80			320					400
Storage Blk Time (%)	1		0	3	0							
Queuing Penalty (veh)	2		0	2	0							

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	148	173	191
Average Queue (ft)	68	90	99
95th Queue (ft)	126	156	171
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 13

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	2950	3071	3056	3027	3046	3028
Vehs Exited	2924	3053	3040	3054	3048	3025
Starting Vehs	94	88	82	107	96	86
Ending Vehs	120	106	98	80	94	98
Denied Entry Before	0	1	1	0	0	0
Denied Entry After	0	2	0	2	0	0
Travel Distance (mi)	2450	2527	2540	2520	2522	2512
Travel Time (hr)	95.2	98.4	97.8	96.7	97.7	97.2
Total Delay (hr)	23.5	24.6	24.0	23.2	23.6	23.8
Total Stops	3134	3233	3192	3126	3125	3163
Fuel Used (gal)	85.3	88.6	87.6	87.2	87.2	87.2

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	2950	3071	3056	3027	3046	3028
Vehs Exited	2924	3053	3040	3054	3048	3025
Starting Vehs	94	88	82	107	96	86
Ending Vehs	120	106	98	80	94	98
Denied Entry Before	0	1	1	0	0	0
Denied Entry After	0	2	0	2	0	0
Travel Distance (mi)	2450	2527	2540	2520	2522	2512
Travel Time (hr)	95.2	98.4	97.8	96.7	97.7	97.2
Total Delay (hr)	23.5	24.6	24.0	23.2	23.6	23.8
Total Stops	3134	3233	3192	3126	3125	3163
Fuel Used (gal)	85.3	88.6	87.6	87.2	87.2	87.2

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Denied Del/Veh (s)	3.2	0.1	0.1	2.9	0.3	2.8	0.0	0.0	0.0	2.3	0.2	0.1
Total Delay (hr)	0.0	0.1	0.0	0.5	0.0	0.1	0.1	1.9	0.1	0.8	0.9	0.0
Total Del/Veh (s)	17.9	32.4	4.9	25.9	22.1	6.2	26.0	8.5	3.6	27.1	3.8	0.9
Stop Delay (hr)	0.0	0.1	0.0	0.5	0.0	0.1	0.1	1.2	0.1	0.8	0.3	0.0
Stop Del/Veh (s)	16.6	30.4	4.5	23.8	19.8	5.8	24.2	5.5	2.7	24.1	1.4	0.9
Total Stops	4	7	1	65	6	71	15	319	52	97	140	1
Stop/Veh	1.00	0.88	1.00	0.90	0.86	0.84	0.94	0.40	0.49	0.87	0.16	0.50
Travel Dist (mi)	0.6	1.2	0.2	15.0	1.5	17.9	1.3	67.1	8.8	30.5	240.2	0.7
Travel Time (hr)	0.0	0.1	0.0	1.2	0.1	1.0	0.2	3.6	0.5	1.8	7.0	0.0
Avg Speed (mph)	13	10	19	13	15	19	8	19	19	18	34	35
Fuel Used (gal)	0.0	0.0	0.0	0.6	0.1	0.6	0.1	2.1	0.2	1.0	6.6	0.0
Fuel Eff. (mpg)	28.6	24.9	38.9	26.7	29.2	32.2	25.2	31.9	41.9	31.9	36.3	44.6
HC Emissions (g)	0	0	0	4	0	5	0	20	3	9	75	0
CO Emissions (g)	1	4	0	100	6	111	11	769	114	280	2289	3
NOx Emissions (g)	0	0	0	13	1	15	1	73	9	32	299	0
Vehicles Entered	4	7	1	72	7	85	16	805	106	110	867	2
Vehicles Exited	4	8	1	71	7	85	16	802	105	110	865	2
Hourly Exit Rate	4	8	1	71	7	85	16	802	105	110	865	2
Input Volume	4	8	1	77	7	82	16	803	102	113	866	5
% of Volume	100	100	100	92	100	104	100	100	103	97	100	40
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	1	0	1	0	4	0	2	7	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.4
Total Delay (hr)	4.7
Total Del/Veh (s)	8.1
Stop Delay (hr)	3.2
Stop Del/Veh (s)	5.6
Total Stops	778
Stop/Veh	0.37
Travel Dist (mi)	384.9
Travel Time (hr)	15.5
Avg Speed (mph)	25
Fuel Used (gal)	11.2
Fuel Eff. (mpg)	34.4
HC Emissions (g)	116
CO Emissions (g)	3688
NOx Emissions (g)	442
Vehicles Entered	2082
Vehicles Exited	2076
Hourly Exit Rate	2076
Input Volume	2084
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	841
Occupancy (veh)	15

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.2	0.0	0.1	0.3	0.0	0.6
Total Del/Veh (s)	5.5	5.6	0.3	1.2	1.0	1.1
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	4.7	4.0	0.0	0.1	0.1	0.4
Total Stops	106	16	0	0	0	122
Stop/Veh	0.99	0.55	0.00	0.00	0.00	0.06
Travel Dist (mi)	28.3	1.2	37.0	80.3	1.3	148.2
Travel Time (hr)	1.4	0.1	1.2	2.4	0.1	5.1
Avg Speed (mph)	21	11	31	33	24	29
Fuel Used (gal)	0.8	0.0	1.5	3.5	0.0	5.9
Fuel Eff. (mpg)	34.4	28.2	25.2	22.9	35.5	25.2
HC Emissions (g)	5	0	21	51	0	77
CO Emissions (g)	118	12	808	2232	16	3187
NOx Emissions (g)	16	2	77	181	1	276
Vehicles Entered	106	29	925	922	15	1997
Vehicles Exited	106	29	927	924	15	2001
Hourly Exit Rate	106	29	927	924	15	2001
Input Volume	103	31	921	930	15	2000
% of Volume	103	94	101	99	100	100
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						701
Occupancy (veh)	1	0	1	2	0	5

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.5	0.1	0.1	0.7
Total Del/Veh (s)	2.8	2.1	2.2	0.3	1.3
Stop Delay (hr)	0.1	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	1.8	0.1	0.1	0.0	0.2
Total Stops	45	0	0	0	45
Stop/Veh	0.29	0.00	0.00	0.00	0.02
Travel Dist (mi)	10.3	62.6	7.1	41.4	121.4
Travel Time (hr)	0.6	2.1	0.3	1.3	4.3
Avg Speed (mph)	17	29	20	33	28
Fuel Used (gal)	0.3	3.8	0.3	1.4	5.7
Fuel Eff. (mpg)	34.0	16.7	23.7	29.9	21.1
HC Emissions (g)	3	53	4	19	80
CO Emissions (g)	99	2743	167	703	3711
NOx Emissions (g)	10	191	16	67	284
Vehicles Entered	153	799	91	1030	2073
Vehicles Exited	154	801	91	1032	2078
Hourly Exit Rate	154	801	91	1032	2078
Input Volume	157	796	87	1033	2073
% of Volume	98	101	105	100	100
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					588
Occupancy (veh)	1	2	0	1	4

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Denied Del/Veh (s)	3.4	0.2	3.9	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Total Delay (hr)	0.3	0.0	1.0	0.0	0.0	0.4	2.7	0.2	0.7	1.5	0.1	7.0
Total Del/Veh (s)	21.3	4.4	20.3	17.1	5.7	29.8	11.6	8.9	23.7	6.2	3.4	10.9
Stop Delay (hr)	0.3	0.0	0.8	0.0	0.0	0.4	1.3	0.1	0.6	0.9	0.1	4.6
Stop Del/Veh (s)	19.5	3.8	18.1	14.8	4.8	25.6	5.8	4.7	21.3	3.6	2.6	7.2
Total Stops	46	24	137	2	10	50	331	46	92	249	28	1015
Stop/Veh	0.79	0.73	0.81	0.67	0.71	0.93	0.40	0.47	0.88	0.29	0.38	0.44
Travel Dist (mi)	9.1	5.1	21.4	0.4	1.8	10.6	163.1	19.4	7.8	64.7	5.6	309.0
Travel Time (hr)	0.8	0.3	2.0	0.0	0.1	0.8	7.0	0.9	1.0	3.1	0.3	16.2
Avg Speed (mph)	13	19	12	12	18	14	23	22	8	21	19	19
Fuel Used (gal)	0.4	0.1	0.9	0.0	0.1	0.5	6.8	0.8	0.3	2.0	0.1	12.0
Fuel Eff. (mpg)	25.8	34.5	23.2	27.1	33.3	22.3	24.0	25.8	24.5	31.7	49.9	25.8
HC Emissions (g)	1	1	4	0	0	4	89	13	2	23	1	138
CO Emissions (g)	45	25	146	1	7	204	3996	497	71	876	30	5900
NOx Emissions (g)	5	3	17	0	1	14	311	42	5	82	2	483
Vehicles Entered	57	32	167	3	14	53	825	98	104	855	74	2282
Vehicles Exited	57	33	167	3	14	53	817	98	103	852	74	2271
Hourly Exit Rate	57	33	167	3	14	53	817	98	103	852	74	2271
Input Volume	54	29	164	3	15	53	813	92	109	852	73	2257
% of Volume	106	114	102	100	93	100	100	107	94	100	101	101
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												542
Occupancy (veh)	1	0	2	0	0	1	7	1	1	3	0	16

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.5	0.3	0.1	0.4	0.2	0.2	0.7	2.4	0.1	1.2	2.2	0.2
Total Del/Veh (s)	26.3	31.7	5.7	24.9	29.8	6.0	29.9	10.8	3.1	29.4	9.8	6.6
Stop Delay (hr)	0.5	0.2	0.1	0.4	0.1	0.2	0.6	1.5	0.1	1.0	1.2	0.1
Stop Del/Veh (s)	24.4	29.4	5.0	23.0	26.8	6.2	26.2	6.6	2.6	25.0	5.2	3.8
Total Stops	59	26	68	53	17	102	79	324	42	123	271	39
Stop/Veh	0.86	0.90	0.84	0.85	0.85	0.90	0.89	0.40	0.46	0.86	0.33	0.40
Travel Dist (mi)	8.9	3.7	10.4	3.9	1.3	7.3	32.2	288.8	33.3	27.8	161.3	19.1
Travel Time (hr)	0.9	0.4	0.6	0.6	0.2	0.5	1.7	9.7	1.0	2.0	6.5	0.8
Avg Speed (mph)	10	9	17	7	6	14	20	30	33	14	25	24
Fuel Used (gal)	0.4	0.2	0.3	0.2	0.1	0.2	1.0	7.9	0.9	1.2	6.4	0.7
Fuel Eff. (mpg)	24.4	24.4	34.2	21.4	21.9	42.9	33.2	36.5	38.7	22.7	25.3	27.3
HC Emissions (g)	1	1	1	1	0	1	11	94	11	15	82	7
CO Emissions (g)	38	19	34	24	6	21	297	2643	328	629	3622	379
NOx Emissions (g)	5	2	5	3	0	2	41	360	42	48	289	26
Vehicles Entered	68	28	80	61	20	113	88	788	91	141	814	96
Vehicles Exited	68	29	80	62	20	113	88	794	91	139	816	96
Hourly Exit Rate	68	29	80	62	20	113	88	794	91	139	816	96
Input Volume	68	26	82	68	25	103	91	786	94	135	817	92
% of Volume	100	112	98	91	80	110	97	101	97	103	100	104
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	0	1	2	10	1	2	7	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	8.5
Total Del/Veh (s)	12.6
Stop Delay (hr)	6.0
Stop Del/Veh (s)	9.0
Total Stops	1203
Stop/Veh	0.50
Travel Dist (mi)	598.0
Travel Time (hr)	25.0
Avg Speed (mph)	24
Fuel Used (gal)	19.3
Fuel Eff. (mpg)	31.0
HC Emissions (g)	225
CO Emissions (g)	8040
NOx Emissions (g)	823
Vehicles Entered	2388
Vehicles Exited	2396
Hourly Exit Rate	2396
Input Volume	2387
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	667
Occupancy (veh)	25

Total Network Performance

Denied Delay (hr)	0.6
Denied Del/Veh (s)	0.7
Total Delay (hr)	23.2
Total Del/Veh (s)	26.7
Stop Delay (hr)	14.4
Stop Del/Veh (s)	16.6
Total Stops	3163
Stop/Veh	1.01
Travel Dist (mi)	2511.8
Travel Time (hr)	97.2
Avg Speed (mph)	26
Fuel Used (gal)	87.2
Fuel Eff. (mpg)	28.8
HC Emissions (g)	1011
CO Emissions (g)	37266
NOx Emissions (g)	3719
Vehicles Entered	3028
Vehicles Exited	3025
Hourly Exit Rate	3025
Input Volume	15120
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	510
Occupancy (veh)	97

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	34	44	86	33	71	51	118	133	149	88	133	105
Average Queue (ft)	3	8	40	5	26	14	54	66	73	32	55	45
95th Queue (ft)	19	31	77	21	53	41	103	121	126	67	103	93
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	79	66
Average Queue (ft)	23	16
95th Queue (ft)	59	47
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB
Directions Served	R	L
Maximum Queue (ft)	79	55
Average Queue (ft)	41	15
95th Queue (ft)	68	45
Link Distance (ft)	1411	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		220
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: France Ave & Business Access

Movement	WB
Directions Served	R
Maximum Queue (ft)	70
Average Queue (ft)	22
95th Queue (ft)	50
Link Distance (ft)	344
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	84	43	138	104	84	126	145	205	120	108	110	118
Average Queue (ft)	35	17	73	12	37	57	67	89	56	54	53	53
95th Queue (ft)	74	43	121	55	75	113	128	167	100	93	96	104
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)			1									
Queuing Penalty (veh)			0									

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L	
Maximum Queue (ft)	98	74	69	83	44	73	109	139	136	141	51	161	
Average Queue (ft)	42	24	34	33	11	27	55	75	58	61	19	76	
95th Queue (ft)	82	58	60	68	33	54	96	121	110	111	43	135	
Link Distance (ft)	632			277			277			1925	1925	1925	1925
Upstream Blk Time (%)													
Queuing Penalty (veh)													
Storage Bay Dist (ft)	100	100		80	320			400					
Storage Blk Time (%)	1	0	0	1	0								
Queuing Penalty (veh)	1	0	0	0	0								

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	120	144	164
Average Queue (ft)	46	65	70
95th Queue (ft)	97	122	135
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 1

Summary of All Intervals

Run Number	1	2	3	4	5	Avg
Start Time	6:57	6:57	6:57	6:57	6:57	6:57
End Time	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	63	63	63	63	63	63
Time Recorded (min)	60	60	60	60	60	60
# of Intervals	2	2	2	2	2	2
# of Recorded Intervals	1	1	1	1	1	1
Vehs Entered	4576	4478	4462	4405	4435	4471
Vehs Exited	4547	4476	4452	4371	4397	4448
Starting Vehs	135	147	133	128	128	132
Ending Vehs	164	149	143	162	166	155
Denied Entry Before	0	0	2	0	0	0
Denied Entry After	0	1	0	1	2	0
Travel Distance (mi)	3740	3675	3666	3557	3602	3648
Travel Time (hr)	160.5	156.0	156.5	153.5	152.0	155.7
Total Delay (hr)	51.7	49.3	50.0	49.3	47.0	49.5
Total Stops	5457	5354	5436	5371	5256	5371
Fuel Used (gal)	137.8	135.0	134.5	130.6	130.8	133.7

Interval #0 Information Seeding

Start Time	6:57
End Time	7:00
Total Time (min)	3
Volumes adjusted by Growth Factors.	
No data recorded this interval.	

Interval #1 Information Recording

Start Time	7:00
End Time	8:00
Total Time (min)	60
Volumes adjusted by Growth Factors.	

Run Number	1	2	3	4	5	Avg
Vehs Entered	4576	4478	4462	4405	4435	4471
Vehs Exited	4547	4476	4452	4371	4397	4448
Starting Vehs	135	147	133	128	128	132
Ending Vehs	164	149	143	162	166	155
Denied Entry Before	0	0	2	0	0	0
Denied Entry After	0	1	0	1	2	0
Travel Distance (mi)	3740	3675	3666	3557	3602	3648
Travel Time (hr)	160.5	156.0	156.5	153.5	152.0	155.7
Total Delay (hr)	51.7	49.3	50.0	49.3	47.0	49.5
Total Stops	5457	5354	5436	5371	5256	5371
Fuel Used (gal)	137.8	135.0	134.5	130.6	130.8	133.7

1: France Ave & Hazelton Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Denied Del/Veh (s)	3.5	0.2	0.1	2.7	0.7	2.7	0.0	0.0	0.0	2.0	0.3	0.1
Total Delay (hr)	0.1	0.1	0.0	1.1	0.1	0.5	0.1	4.9	0.2	1.5	2.0	0.0
Total Del/Veh (s)	18.1	18.2	6.1	23.8	20.8	9.6	29.7	12.9	5.1	28.6	6.5	3.0
Stop Delay (hr)	0.1	0.1	0.0	0.9	0.1	0.4	0.1	3.0	0.1	1.3	0.8	0.0
Stop Del/Veh (s)	16.3	16.2	5.7	21.0	18.0	8.6	26.9	7.8	3.4	24.1	2.6	1.6
Total Stops	12	11	11	134	13	134	11	653	69	163	291	1
Stop/Veh	0.75	0.69	0.79	0.83	0.76	0.73	0.92	0.47	0.50	0.87	0.26	0.25
Travel Dist (mi)	2.4	2.5	2.1	33.5	3.6	38.8	0.9	111.3	11.5	51.3	310.3	1.1
Travel Time (hr)	0.2	0.2	0.1	2.6	0.2	2.3	0.1	7.8	0.7	3.0	10.0	0.0
Avg Speed (mph)	13	14	18	14	15	18	7	14	18	17	31	31
Fuel Used (gal)	0.1	0.1	0.1	1.3	0.1	1.3	0.0	3.8	0.3	1.6	8.7	0.0
Fuel Eff. (mpg)	26.6	27.7	33.2	26.2	28.2	30.4	21.4	29.2	36.2	31.1	35.5	39.0
HC Emissions (g)	0	0	0	7	0	8	0	31	4	16	102	0
CO Emissions (g)	9	9	6	202	14	218	10	1089	149	492	3239	5
NOx Emissions (g)	1	1	1	25	1	28	1	111	11	56	386	1
Vehicles Entered	16	16	13	158	17	183	11	1376	139	185	1120	4
Vehicles Exited	15	16	14	159	17	182	11	1365	139	186	1119	4
Hourly Exit Rate	15	16	14	159	17	182	11	1365	139	186	1119	4
Input Volume	15	15	12	160	16	193	12	1398	138	191	1118	4
% of Volume	100	107	117	99	106	94	92	98	101	97	100	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	0	0	2	0	2	0	8	1	3	10	0

1: France Ave & Hazelton Rd Performance by movement

Movement	All
Denied Delay (hr)	0.5
Denied Del/Veh (s)	0.5
Total Delay (hr)	10.6
Total Del/Veh (s)	11.7
Stop Delay (hr)	6.9
Stop Del/Veh (s)	7.6
Total Stops	1503
Stop/Veh	0.46
Travel Dist (mi)	569.1
Travel Time (hr)	27.2
Avg Speed (mph)	21
Fuel Used (gal)	17.5
Fuel Eff. (mpg)	32.5
HC Emissions (g)	168
CO Emissions (g)	5443
NOx Emissions (g)	623
Vehicles Entered	3238
Vehicles Exited	3227
Hourly Exit Rate	3227
Input Volume	3272
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	480
Occupancy (veh)	27

2: France Ave & W 72nd St Performance by movement

Movement	EBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.1	0.2	0.3	0.6	0.0	1.3
Total Del/Veh (s)	7.2	10.2	0.6	1.8	1.2	1.5
Stop Delay (hr)	0.1	0.2	0.0	0.0	0.0	0.4
Stop Del/Veh (s)	6.6	8.6	0.0	0.1	0.2	0.4
Total Stops	74	54	1	0	0	129
Stop/Veh	0.99	0.77	0.00	0.00	0.00	0.04
Travel Dist (mi)	19.9	2.8	61.3	110.5	2.2	196.8
Travel Time (hr)	1.0	0.3	2.1	3.7	0.1	7.1
Avg Speed (mph)	20	9	30	30	23	28
Fuel Used (gal)	0.6	0.1	2.2	5.9	0.1	8.9
Fuel Eff. (mpg)	33.7	25.7	27.6	18.7	27.9	22.1
HC Emissions (g)	3	1	32	87	1	123
CO Emissions (g)	83	28	1246	4166	36	5558
NOx Emissions (g)	12	3	111	305	3	434
Vehicles Entered	75	70	1530	1266	26	2967
Vehicles Exited	74	70	1526	1267	25	2962
Hourly Exit Rate	74	70	1526	1267	25	2962
Input Volume	65	75	1548	1267	23	2978
% of Volume	114	93	99	100	109	99
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (ft/veh)						505
Occupancy (veh)	1	0	2	4	0	7

3: France Ave & Business Access Performance by movement

Movement	WBR	NBT	NBR	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.2	0.0	0.0	0.0	0.0
Total Delay (hr)	0.3	1.2	0.1	0.1	1.8
Total Del/Veh (s)	5.7	3.1	3.1	0.4	2.1
Stop Delay (hr)	0.2	0.0	0.0	0.0	0.3
Stop Del/Veh (s)	4.5	0.1	0.1	0.0	0.4
Total Stops	92	1	0	0	93
Stop/Veh	0.47	0.00	0.00	0.00	0.03
Travel Dist (mi)	13.1	110.1	11.5	54.0	188.7
Travel Time (hr)	0.9	4.2	0.6	1.6	7.3
Avg Speed (mph)	14	26	19	34	26
Fuel Used (gal)	0.4	7.2	0.5	1.6	9.8
Fuel Eff. (mpg)	29.7	15.4	21.1	33.1	19.3
HC Emissions (g)	5	93	7	23	128
CO Emissions (g)	156	4763	264	820	6004
NOx Emissions (g)	15	356	28	78	477
Vehicles Entered	196	1411	147	1340	3094
Vehicles Exited	195	1410	147	1339	3091
Hourly Exit Rate	195	1410	147	1339	3091
Input Volume	197	1431	150	1332	3110
% of Volume	99	99	98	101	99
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	0	0	0	0
Density (ft/veh)					349
Occupancy (veh)	1	4	1	2	7

4: France Ave & Gallagher Dr Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.5	0.3	0.3	3.6	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.6	0.0	0.1	1.6	0.1	0.2	0.3	7.9	0.9	1.7	2.0	0.1
Total Del/Veh (s)	27.1	14.0	6.3	27.0	22.2	10.7	37.8	20.3	20.1	31.9	6.8	3.6
Stop Delay (hr)	0.6	0.0	0.1	1.4	0.1	0.2	0.3	4.0	0.5	1.6	1.1	0.1
Stop Del/Veh (s)	25.1	12.6	5.6	24.1	19.3	9.3	31.6	10.3	11.0	28.6	3.7	2.5
Total Stops	69	1	40	170	13	61	30	745	107	175	311	33
Stop/Veh	0.83	0.50	0.75	0.80	0.76	0.75	0.94	0.53	0.65	0.89	0.30	0.35
Travel Dist (mi)	13.1	0.3	8.3	27.0	2.2	10.3	6.3	276.1	32.5	14.7	79.4	7.0
Travel Time (hr)	1.3	0.0	0.5	2.9	0.2	0.7	0.5	15.2	2.0	2.3	4.0	0.4
Avg Speed (mph)	11	14	18	10	11	15	12	18	16	6	20	19
Fuel Used (gal)	0.6	0.0	0.3	1.3	0.1	0.4	0.3	12.3	1.3	0.7	2.6	0.1
Fuel Eff. (mpg)	23.8	25.7	33.0	21.0	24.6	29.1	19.4	22.4	24.1	19.7	30.7	51.0
HC Emissions (g)	3	0	2	7	0	3	3	138	15	4	28	1
CO Emissions (g)	94	1	43	234	14	86	143	6165	622	154	1054	31
NOx Emissions (g)	11	0	6	26	1	10	11	506	53	12	99	3
Vehicles Entered	83	2	53	210	17	81	32	1387	163	195	1051	93
Vehicles Exited	82	2	52	208	17	80	31	1396	164	194	1051	93
Hourly Exit Rate	82	2	52	208	17	80	31	1396	164	194	1051	93
Input Volume	84	2	50	212	15	83	32	1414	162	198	1037	96
% of Volume	98	100	104	98	113	96	97	99	101	98	101	97
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	0	3	0	1	1	15	2	2	4	0

4: France Ave & Gallagher Dr Performance by movement

Movement	All
Denied Delay (hr)	0.3
Denied Del/Veh (s)	0.3
Total Delay (hr)	15.6
Total Del/Veh (s)	16.6
Stop Delay (hr)	9.9
Stop Del/Veh (s)	10.5
Total Stops	1755
Stop/Veh	0.52
Travel Dist (mi)	477.3
Travel Time (hr)	29.9
Avg Speed (mph)	16
Fuel Used (gal)	20.0
Fuel Eff. (mpg)	23.9
HC Emissions (g)	205
CO Emissions (g)	8641
NOx Emissions (g)	739
Vehicles Entered	3367
Vehicles Exited	3370
Hourly Exit Rate	3370
Input Volume	3385
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	293
Occupancy (veh)	30

5: France Ave & Parklawn Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.8	0.2	0.3	0.8	0.5	0.5	0.8	6.2	0.1	1.8	3.9	0.2
Total Del/Veh (s)	28.9	32.0	8.6	26.7	32.2	10.4	34.1	16.6	3.4	34.4	13.2	10.5
Stop Delay (hr)	0.7	0.2	0.3	0.7	0.4	0.5	0.7	3.8	0.0	1.5	2.2	0.1
Stop Del/Veh (s)	26.7	29.6	7.6	24.4	28.9	10.4	29.6	10.2	3.0	29.3	7.4	6.3
Total Stops	81	21	114	82	43	135	78	681	27	161	440	28
Stop/Veh	0.85	0.84	0.84	0.80	0.84	0.84	0.89	0.50	0.49	0.85	0.41	0.47
Travel Dist (mi)	12.2	3.1	17.5	6.4	3.2	10.4	31.5	488.5	19.8	36.9	211.3	11.7
Travel Time (hr)	1.3	0.3	1.1	1.0	0.6	1.0	1.7	18.6	0.6	2.9	9.5	0.6
Avg Speed (mph)	10	9	16	6	6	11	19	26	33	13	22	21
Fuel Used (gal)	0.5	0.1	0.5	0.3	0.2	0.3	1.0	13.5	0.5	1.7	8.6	0.5
Fuel Eff. (mpg)	23.4	24.6	31.8	19.2	19.6	35.7	32.9	36.2	38.1	21.6	24.5	25.5
HC Emissions (g)	2	0	5	1	1	1	10	134	8	16	113	5
CO Emissions (g)	64	11	114	37	20	35	256	3938	214	792	4837	254
NOx Emissions (g)	8	1	17	4	2	4	35	522	28	57	391	18
Vehicles Entered	93	24	135	101	50	160	87	1336	54	187	1065	59
Vehicles Exited	94	24	134	102	51	160	87	1329	55	188	1065	59
Hourly Exit Rate	94	24	134	102	51	160	87	1329	55	188	1065	59
Input Volume	99	24	133	103	52	156	93	1353	55	186	1051	62
% of Volume	95	100	101	99	98	103	94	98	100	101	101	95
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	1	0	1	1	1	1	2	19	1	3	10	1

5: France Ave & Parklawn Ave Performance by movement

Movement	All
Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.1
Total Delay (hr)	16.0
Total Del/Veh (s)	17.0
Stop Delay (hr)	11.2
Stop Del/Veh (s)	11.9
Total Stops	1891
Stop/Veh	0.56
Travel Dist (mi)	852.5
Travel Time (hr)	39.3
Avg Speed (mph)	22
Fuel Used (gal)	27.8
Fuel Eff. (mpg)	30.7
HC Emissions (g)	296
CO Emissions (g)	10573
NOx Emissions (g)	1085
Vehicles Entered	3351
Vehicles Exited	3348
Hourly Exit Rate	3348
Input Volume	3367
% of Volume	99
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	423
Occupancy (veh)	39

Total Network Performance

Denied Delay (hr)	0.9
Denied Del/Veh (s)	0.7
Total Delay (hr)	48.6
Total Del/Veh (s)	38.0
Stop Delay (hr)	28.9
Stop Del/Veh (s)	22.6
Total Stops	5371
Stop/Veh	1.17
Travel Dist (mi)	3647.9
Travel Time (hr)	155.7
Avg Speed (mph)	24
Fuel Used (gal)	133.7
Fuel Eff. (mpg)	27.3
HC Emissions (g)	1484
CO Emissions (g)	56115
NOx Emissions (g)	5494
Vehicles Entered	4471
Vehicles Exited	4448
Hourly Exit Rate	4448
Input Volume	22146
% of Volume	20
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	318
Occupancy (veh)	155

Intersection: 1: France Ave & Hazelton Rd

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	T	R	L	T	T	T	R	L	T
Maximum Queue (ft)	44	53	142	75	119	69	221	221	244	95	169	158
Average Queue (ft)	12	18	76	12	50	11	110	128	141	37	82	77
95th Queue (ft)	38	46	126	52	96	45	202	214	229	73	142	134
Link Distance (ft)		817		1108			385	385	385			1451
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	80		130		130	170				300	300	
Storage Blk Time (%)		0	1		0		1					
Queuing Penalty (veh)		0	2		0		0					

Intersection: 1: France Ave & Hazelton Rd

Movement	SB	SB
Directions Served	T	TR
Maximum Queue (ft)	121	71
Average Queue (ft)	46	28
95th Queue (ft)	93	60
Link Distance (ft)	1451	1451
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: France Ave & W 72nd St

Movement	EB	NB	SB
Directions Served	R	L	TR
Maximum Queue (ft)	66	97	4
Average Queue (ft)	34	36	0
95th Queue (ft)	59	74	3
Link Distance (ft)	1411		385
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		220	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: France Ave & Business Access

Movement	WB	NB	NB	NB
Directions Served	R	T	T	T
Maximum Queue (ft)	102	11	9	4
Average Queue (ft)	41	0	0	0
95th Queue (ft)	80	8	5	3
Link Distance (ft)	344	343	343	343
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: France Ave & Gallagher Dr

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	T	TR	L	T	T	TR
Maximum Queue (ft)	104	76	144	214	76	250	273	338	187	149	142	136
Average Queue (ft)	50	29	94	58	25	122	145	192	104	63	69	67
95th Queue (ft)	89	60	147	141	59	221	249	307	167	116	122	122
Link Distance (ft)		834		678		967	967	967		343	343	343
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	140		120		270				240			
Storage Blk Time (%)			6	0		0						
Queuing Penalty (veh)			6	0		0						

Intersection: 5: France Ave & Parklawn Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	NB	NB	SB	
Directions Served	L	T	R	L	T	R	L	T	T	T	R	L	
Maximum Queue (ft)	115	131	104	100	119	111	113	207	220	237	49	197	
Average Queue (ft)	55	24	47	51	32	45	55	130	127	132	14	102	
95th Queue (ft)	99	78	79	93	81	90	97	185	198	213	37	171	
Link Distance (ft)	632			277			277			1925	1925	1925	1925
Upstream Blk Time (%)													
Queuing Penalty (veh)													
Storage Bay Dist (ft)	100	100		80	320			400					
Storage Blk Time (%)	2	0		4	1								
Queuing Penalty (veh)	4	0		2	1								

Intersection: 5: France Ave & Parklawn Ave

Movement	SB	SB	SB
Directions Served	T	T	TR
Maximum Queue (ft)	155	170	198
Average Queue (ft)	76	97	101
95th Queue (ft)	140	161	179
Link Distance (ft)	967	967	967
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 15
