

**Traffic Forecast Report
KY 1194 Corridor Study
Lincoln County, Kentucky
Item No. 8-80203**

April 21, 2025

Prepared for:



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Contents

Forecast Summary	2
Types of Forecasts.....	2
KYTC Count Stations.....	3
Data Collection	4
Design Hour Volumes.....	5
Design Year/Growth Factors	5
Truck Percentages.....	7

Figures

Figure 1: Project Study Area.....	2
Figure 2: Representative Bypass Options	3
Figure 3: KYTC Count Stations	4
Figure 4: 2024 Traffic Count Intersections.....	5
Figure 5: Population Data	6
Figure 6: Forecast Segments	8

Tables

Table 1: KYTC Count Data.....	3
Table 2: Historic Count Station Growth Rates	6
Table 3: Existing & No Build Forecast	9
Table 4: Short Bypass 2045 Build Forecast	9
Table 5: Long Bypass 2045 Build Forecast	10

Appendices

- A. 2024 Traffic Forecast
- B. 2045 No-Build Traffic Forecast
- C. 2045 Build Traffic Forecast: Short Bypass
- D. 2045 Build Traffic Forecast: Long Bypass
- E. Turning Movement Count Data

Traffic Forecast Report

Lincoln County: KY 1194 Planning Study

Item No. 8-80203

Forecast Summary

The purpose of this report is to forecast future traffic for the extension of KY 1194, providing a bypass for the city of Stanford in Lincoln County, Kentucky. The study area for this project can be seen on **(Figure 1)**. The forecast will be used to determine the need for a proposed new bypass link, informing design options based on estimated capacity and safety demands.

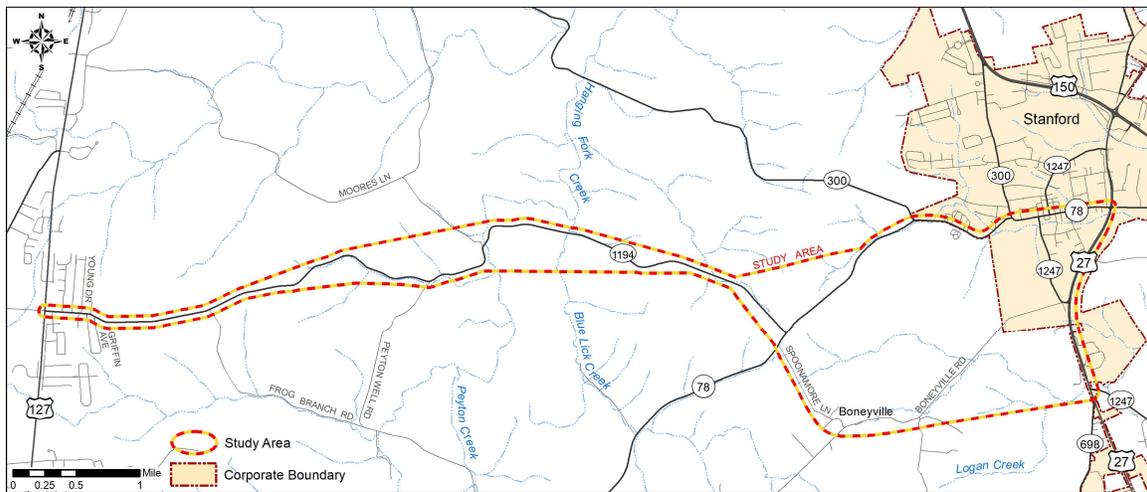


Figure 1: Project Study Area

The sections which follow provide background and details concerning the types of forecasts that were developed for the project. A summary of the forecast methods and data include:

- current year (2024) traffic volumes
- design year (2045) growth factors
- design hour traffic volumes
- percentages of truck traffic
- turning movements

Types of Forecasts

The following types of forecasts were developed:

- 2045 No-Build & Build Average Daily Traffic
- 2045 No-Build & Build Design-Hour Volumes (AM and PM)
- 2045 No-Build & Build Percent Trucks (ADT & Design Hour)

Along with the future year No-Build forecast, forecasts were prepared for two representative bypass options. The Short Bypass option (Yellow in **Figure 2**) would connect KY 78 with KY 1247 Somerset Street. The Long Bypass option (Red) would connect KY 78 opposite KY 1194 to US 27 opposite Education Way.

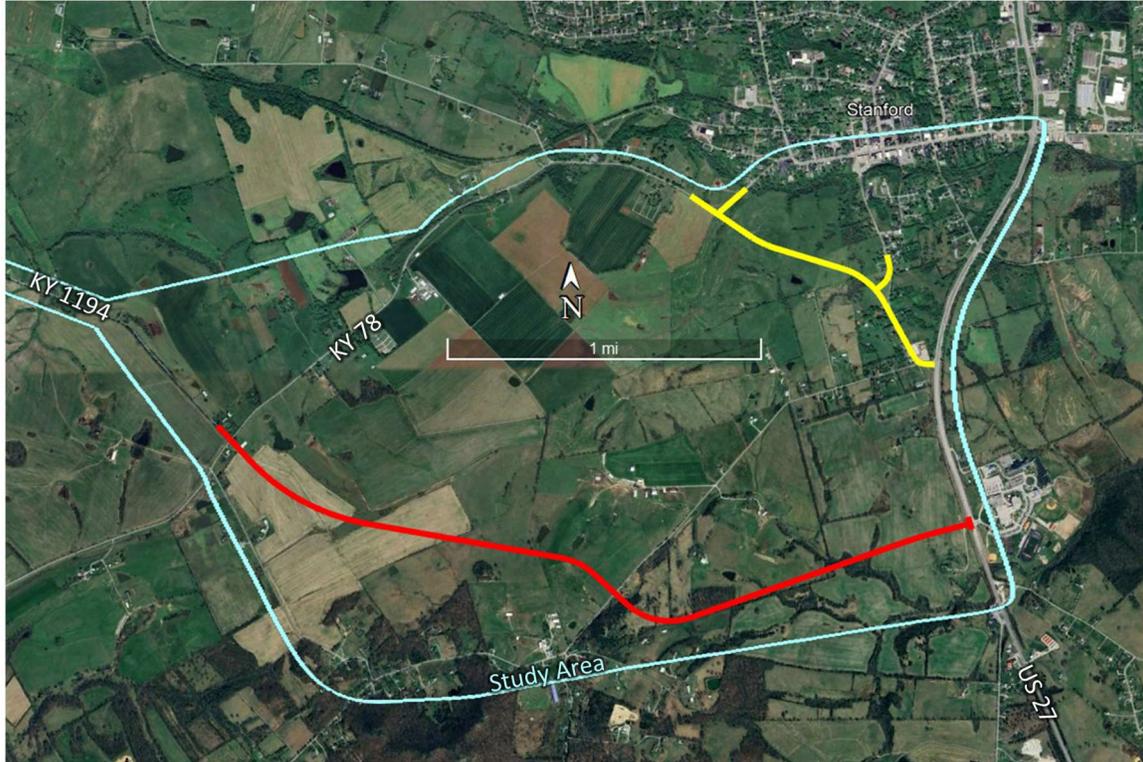


Figure 2: Representative Bypass Options

KYTC Count Stations

Existing traffic count stations in the vicinity of the project are shown on **Figure 3**. Data from the most recent counts at stations near the study area is summarized in **Table 1**.

Table 1: KYTC Count Data

Route	KYTC Station	From MP	To MP	ADT	Count Year	Truck%
KY 1194	069771	3.812	6.602	932	2023	---
KY 78	069552	7.089	10.100	1981	2023	10.77%
KY 78	069750	10.100	11.477	2789	2022	---
KY 78	069A37	11.477	12.339	3226	2021	---
KY 78	069A36	12.339	12.551	4777	2023	---
KY 78	069A60	12.551	13.135	2586	2022	19.02%
US 27	069022	16.695	16.391	13099	2023	---
US 27	069A73	16.391	17.233	10437	2022	12.06%
KY 1247	069A46	16.993	17.751	2787	2018	---



Figure 3: KYTC Count Stations

Data Collection

Shown in **Figure 4**, intersection turning movement counts were collected as part of the planning study. Unless otherwise noted, five-hour counts (7AM-9AM and 3PM-6PM) were collected via video camera, classifying vehicles into five categories: motorcycles, cars & light good vehicles, buses, single unit trucks, and articulated trucks. Any pedestrians in crosswalks or on-street cyclists were also recorded.

May 15, 2024 (Connected cameras to derive origin-destination linkages)

- KY 78 (Main Street) at KY 1247 (Somerset Street)
- US 27 at Education Way
- KY 78 (Hustonville Street) at KY 1194
- US 27 & KY 78 (Main Street): 7AM-7PM count

August 21, 2024

- KY 1194 at US 127
- KY 78 (Hustonville Street/Main Street) at KY 300 (Danville Avenue)
- KY 78 (Main Street) at KY 1247 (Lancaster St)

Summaries of each traffic count are included in **Appendix E**.

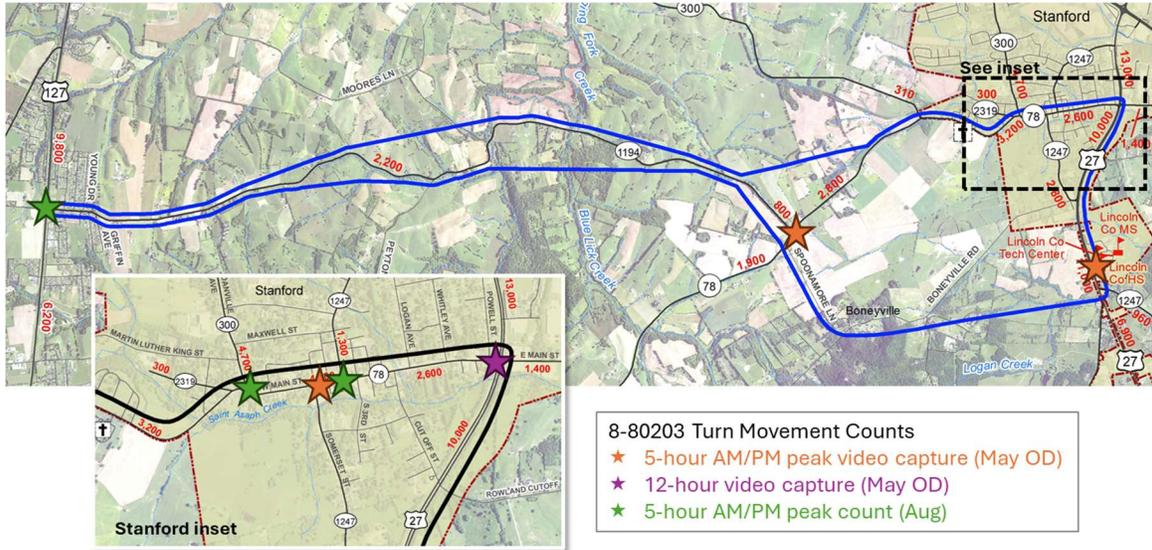


Figure 4: 2024 Traffic Count Intersections

Design Hour Volumes

Design hourly volumes were determined from turning movement counts noted above. These counts were adjusted by functional class, month of count, and weekday to determine design-hour turning movements for 2024. Existing year turning movement sheets including ADT, AM and PM peak hours are included in **Appendix A**.

Design Year/Growth Factors

Multiple sources, including historical traffic volume counts, past population data, and future population projections were analyzed to develop a traffic volume growth rate. Population projections prepared by the Kentucky State Data Center (2022 vintage) in **Figure 5** show slightly negative growth for Lincoln County between 2025 and 2050.

Lincoln County	Census		Projections					
	2,010	2020	2025	2030	2035	2040	2045	2050
Total Population	24,742	24,275	24,041	23,712	23,224	22,615	21,990	21,436
Population in Households	24,523	24,097	23,887	23,552	23,064	22,455	21,830	21,276
Population in Group Quarters	219	178	160	160	160	160	160	160
Total Households	9,777	9,711	9,784	9,649	9,415	9,094	8,758	8,448
Average Household Size	2.51	2.48	2.44	2.44	2.45	2.47	2.49	2.52

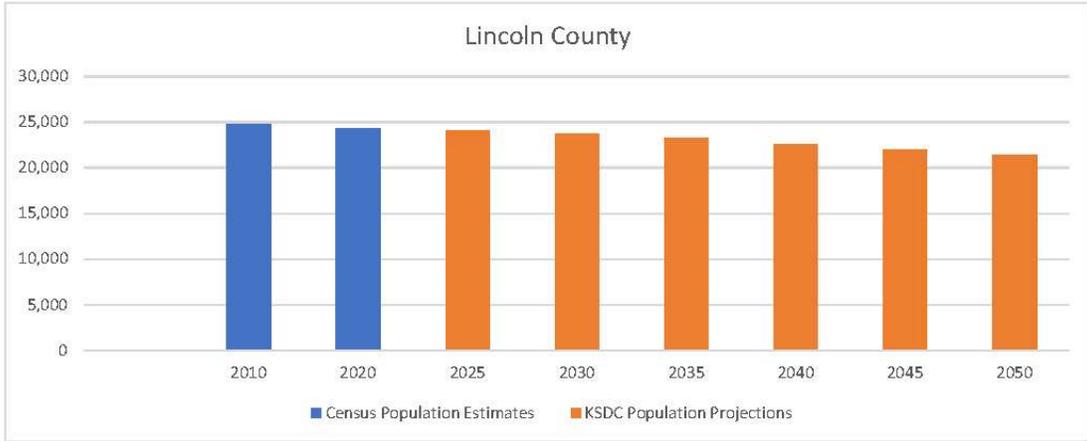


Figure 5: Population Data

KYTC traffic counts in the study area over the past 20 years show primarily negative growth (Table 2).

Table 2: Historic Count Station Growth Rates

Route	KYTC Station	Growth Rate
KY 1194	069771	1.2%
KY 78	069552	-0.9%
KY 78	069750	-0.7%
KY 78	069A37	-2.0%
KY 78	069A36	-1.7%
KY 78	069A60	-2.3%
US 27	069022	-0.4%
US 27	069A73	-0.5%
KY 1247	069A46	-5.0%

All sources point to negative growth trends in the study area. As a conservative estimate of future year volumes, a 0.5% annual growth rate was used for all future year scenarios.

Future year diversion estimates were derived using Laurel Pulaski Regional Travel Demand Model (version 20240301). Model assignment was generally high along the KY 78 corridor, showing around +1.0% growth over existing. US 27 also assigned positive growth (around 0.9%) while KY 1194 was negative. Model assignment along bypass corridors was factored down to account for this over-assignment.

Figure 6 shows forecast segments throughout the study area. Turning movement forecasts were estimated based on directional traffic data derived from 2024 counts, accounting for model assignment and diversion trends. **Table 3**, **Table 4**, and **Table 5** summarize Existing/No-Build, Short Bypass, and Long Bypass Forecasts respectively. Forecasted turning movements for all study area intersections are located in **Appendices B-D**.

Truck Percentages

Truck percentages, summarized in the following tables, were found using a combination of KYTC count station data and the turning movement counts performed for this planning study.

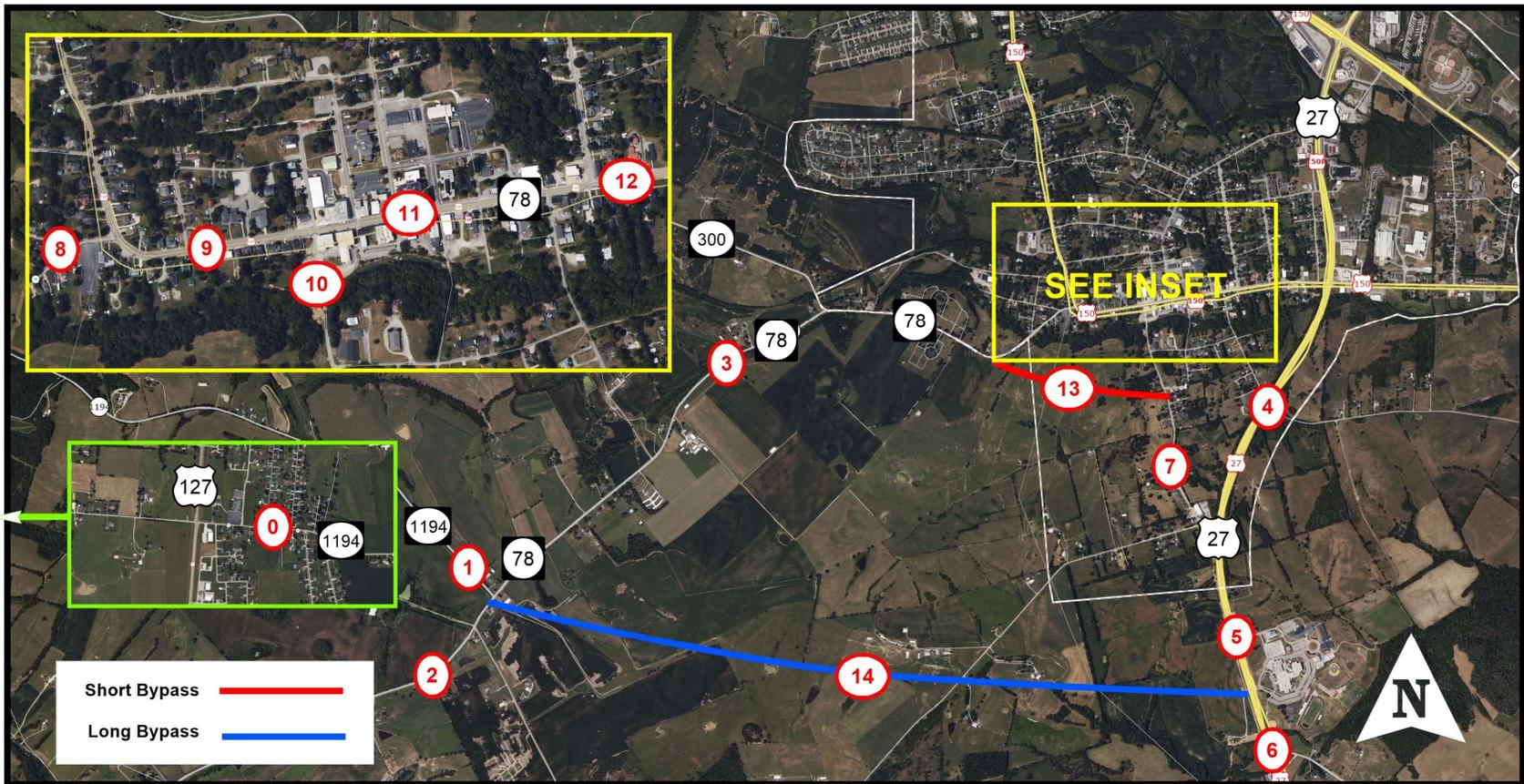


Figure 6: Forecast Segments

Table 3: Existing & No Build Forecast

Segment ID	2024 Existing				2025 No-Build			
	AADT	DHV	AADTT	DHV Trucks	AADT	DHV	AADTT	DHV Trucks
0	2700	300	2700	20	3300	370	330	20
1	1100	130	110	10	1300	140	130	10
2	3500	320	380	20	4300	380	460	20
3	4400	390	470	20	5400	480	580	20
4	14700	1460	1770	110	18000	1790	2170	140
5	15000	1570	1810	120	18400	1940	2220	150
6	13800	1380	1510	100	16800	1710	1830	120
7	3600	410	250	20	4300	500	300	20
8	4400	480	470	30	5200	590	560	40
9	5800	620	1100	50	7100	760	1350	60
10	3600	410	250	20	4300	500	300	20
11	3500	390	670	40	4400	500	840	50
12	3600	340	680	20	4200	400	800	20

Table 4: Short Bypass 2045 Build Forecast

Segment ID	AADT	DHV	AADT Trucks	DHV Trucks
0	3300	370	330	20
1	1300	130	130	10
2	4700	420	510	20
3	5800	510	620	20
4	17400	1700	2100	130
5	18400	1940	2220	150
6	16800	1710	1830	120
7	4800	600	340	30
8	2600	300	280	20
9	4500	500	860	40
10	2300	440	160	20
11	3600	410	680	40
12	3600	310	680	20
13	2700	230	290	10

Table 5: Long Bypass 2045 Build Forecast

Segment ID	AADT	DHV	AADT Trucks	DHV Trucks
0	3300	370	330	20
1	1300	140	130	10
2	4300	420	460	20
3	3100	370	330	20
4	17300	1690	2090	130
5	15500	1650	1870	130
6	16800	1710	1830	120
7	1850	220	130	10
8	2500	260	270	20
9	4400	470	840	40
10	1850	220	130	10
11	3400	390	650	40
12	3500	300	670	20
14	3100	280	330	20

APPENDIX A

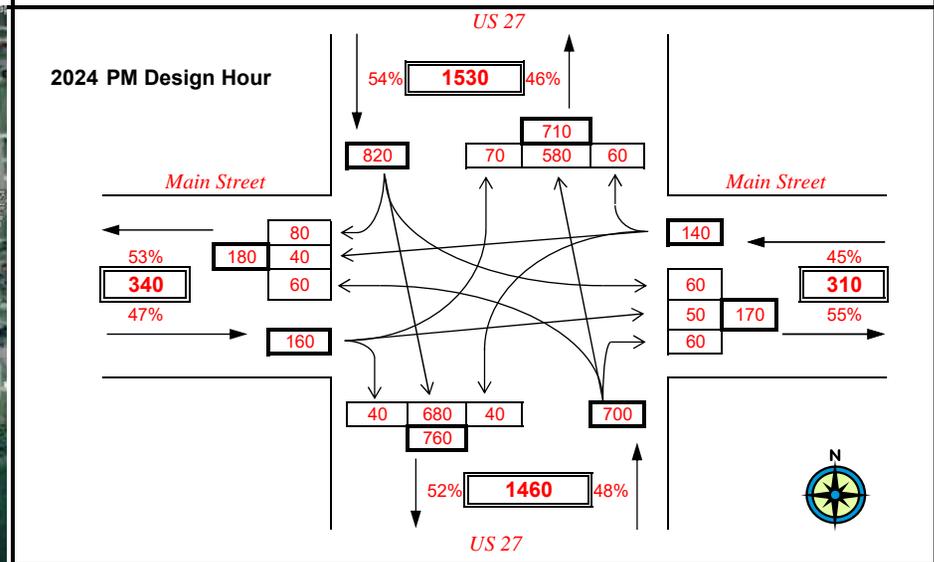
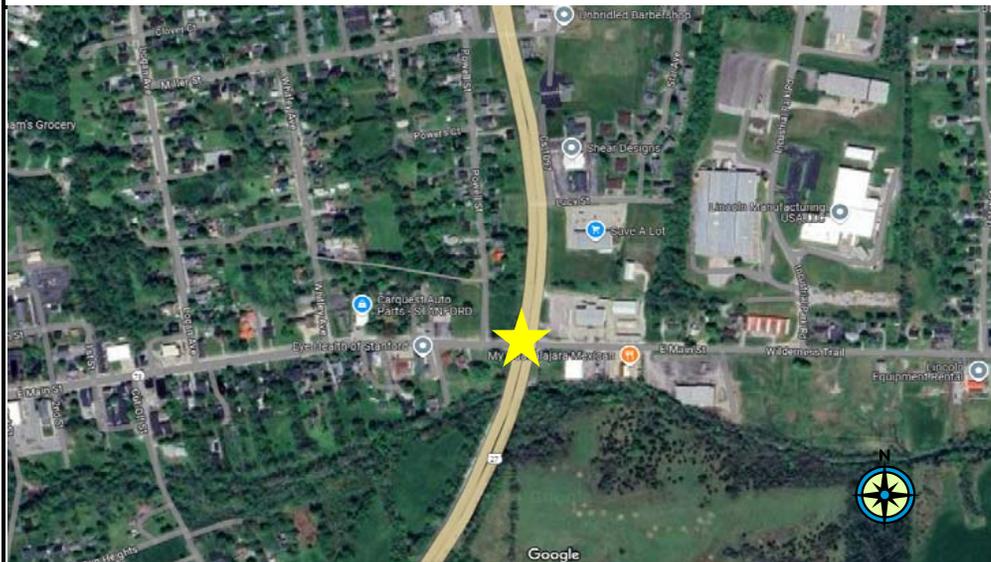
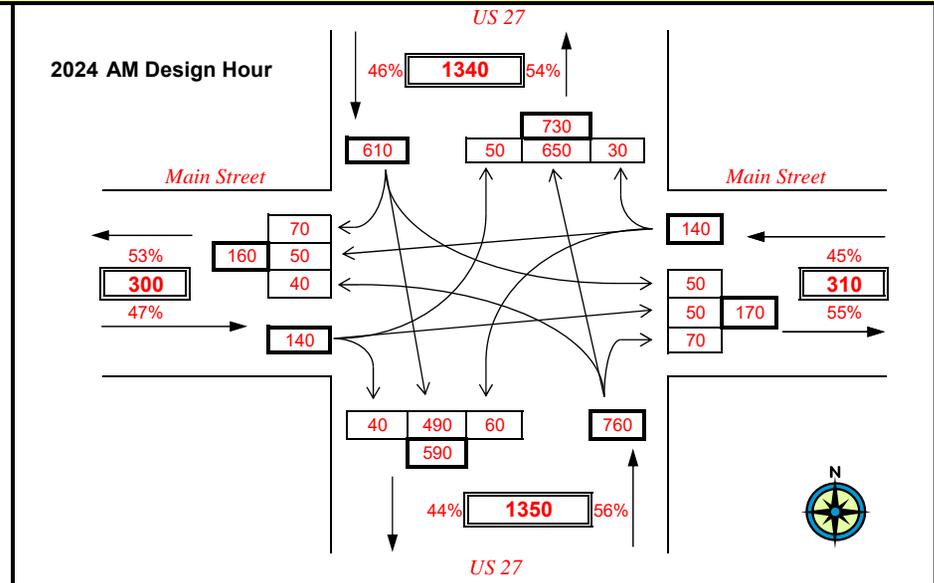
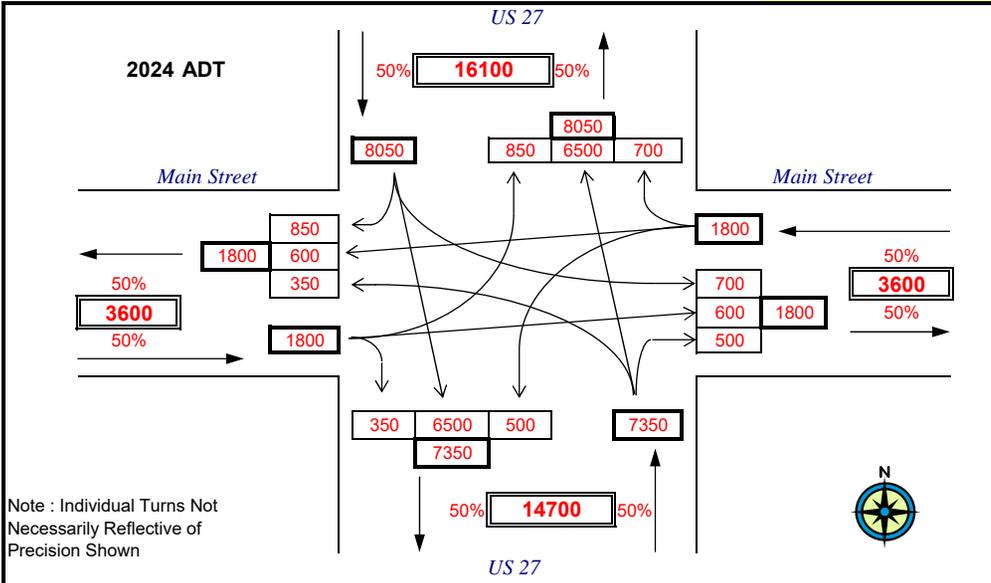
2024 TRAFFIC FORECAST

PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Main St

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT 2 (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

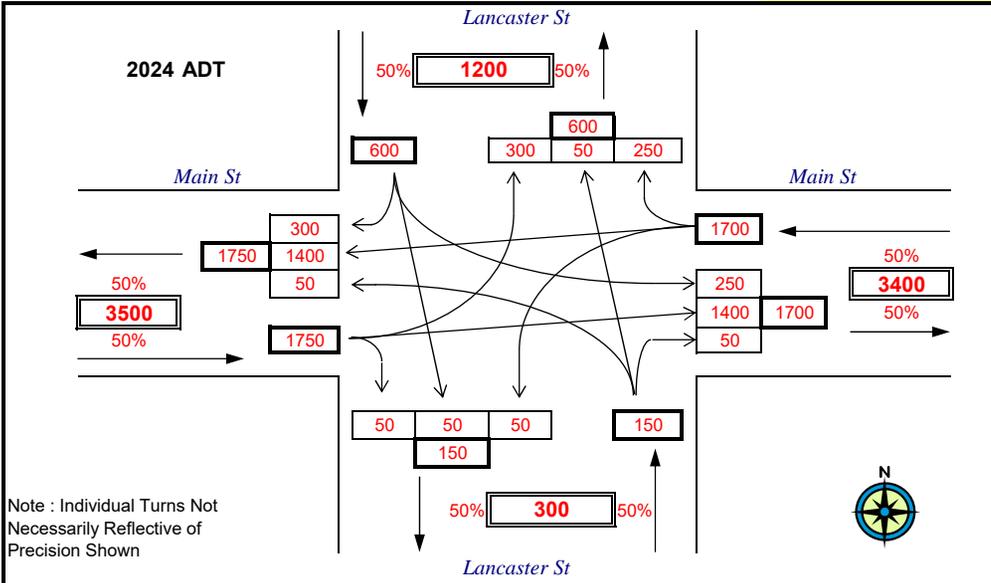


PROJECT: KY 1194 Corridor Study
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 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: Main Street & Lancaster Street

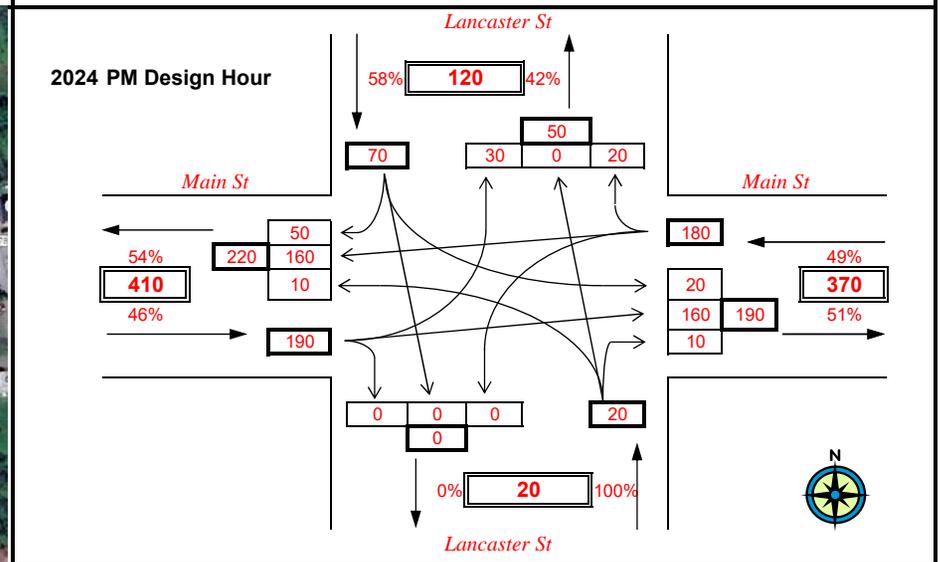
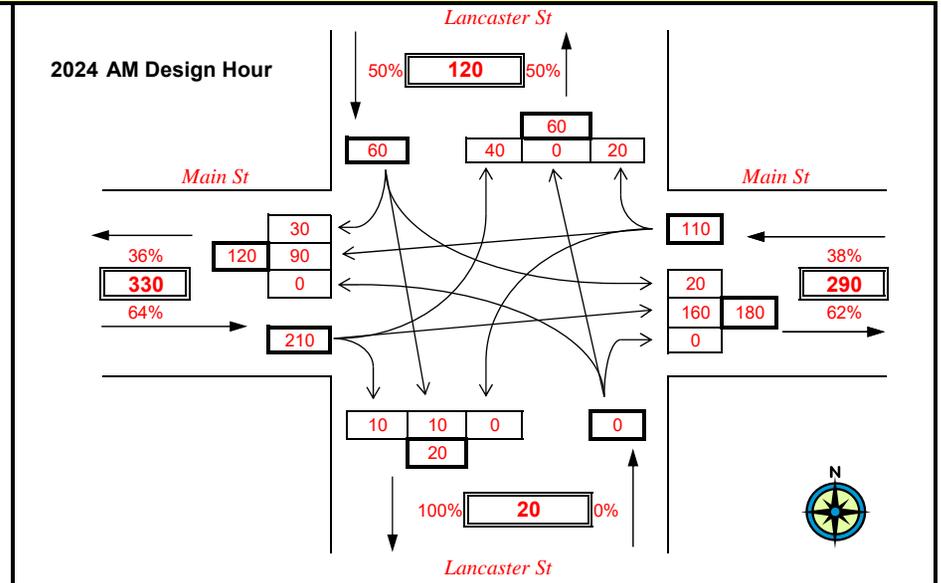
NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



Note : Individual Turns Not Necessarily Reflective of Precision Shown

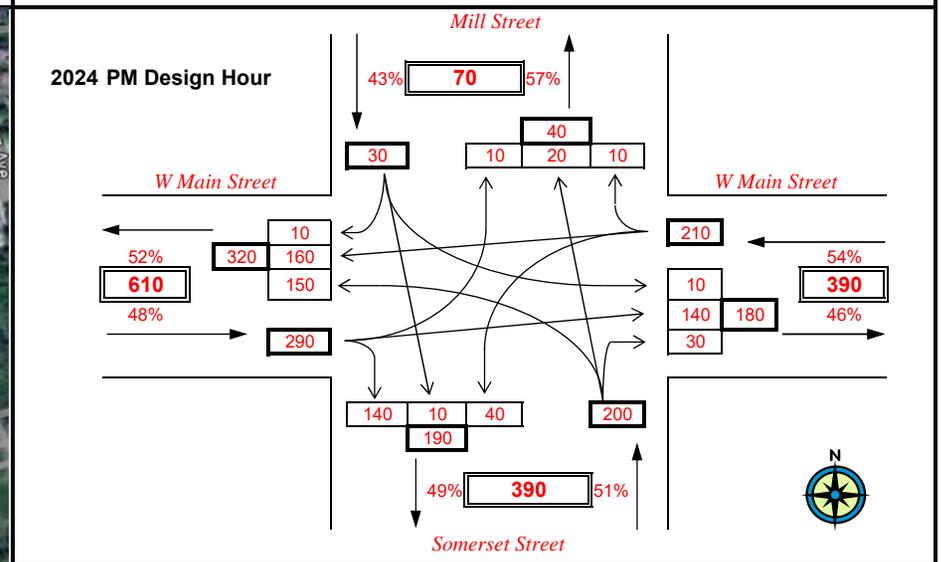
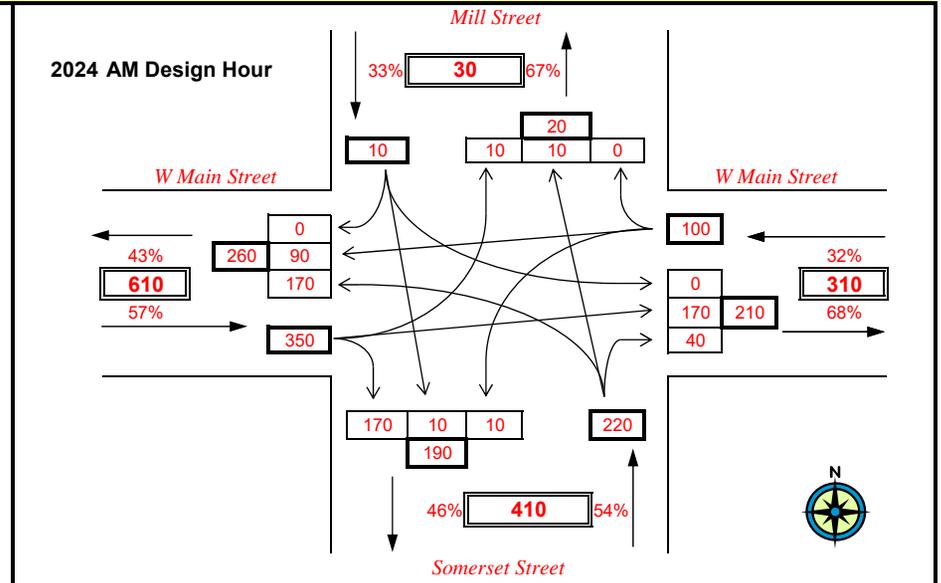
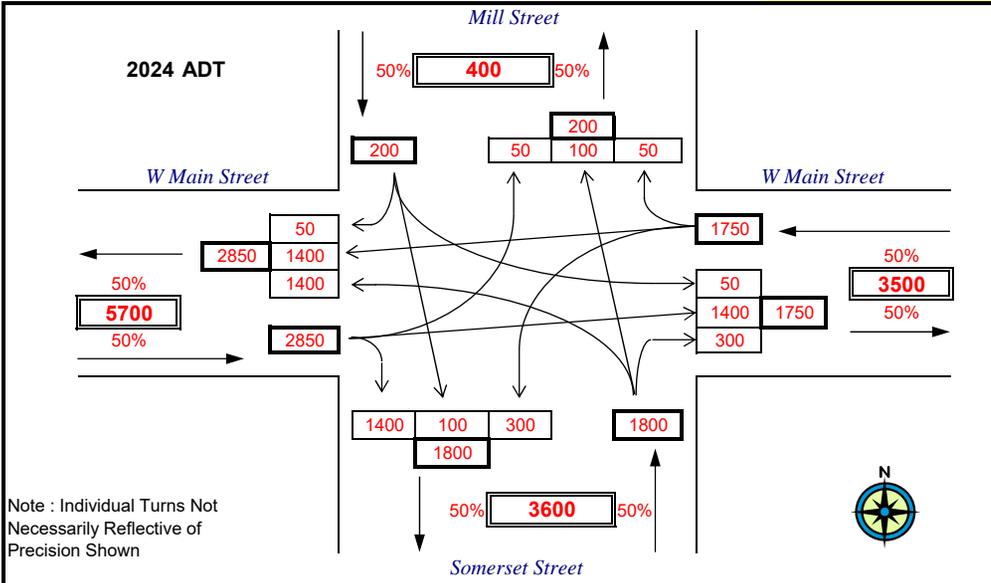


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: Main St & Somerset St

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

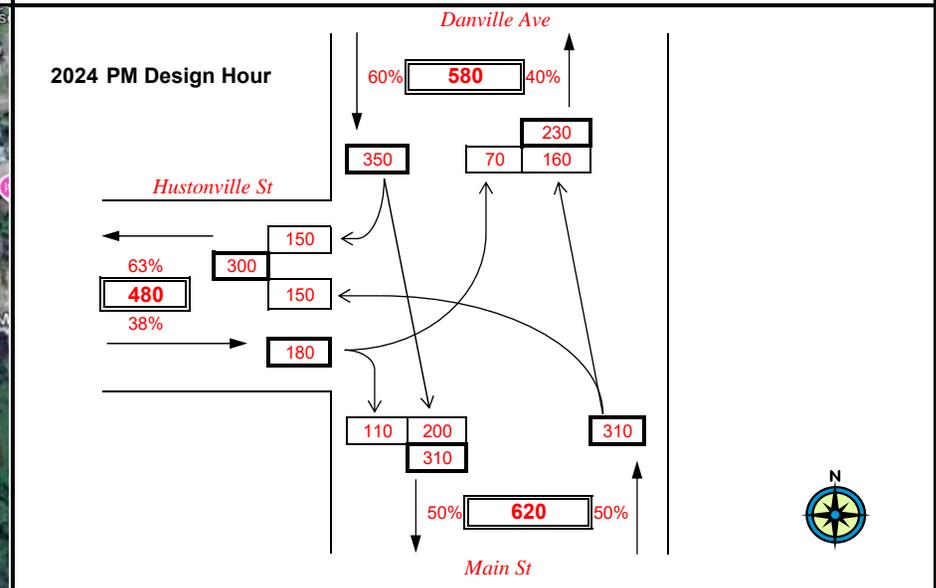
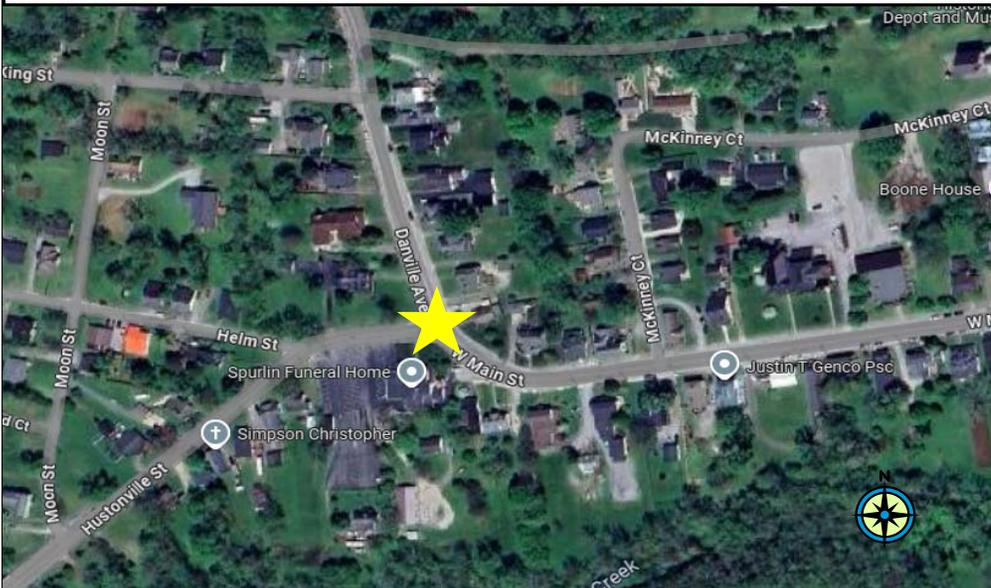
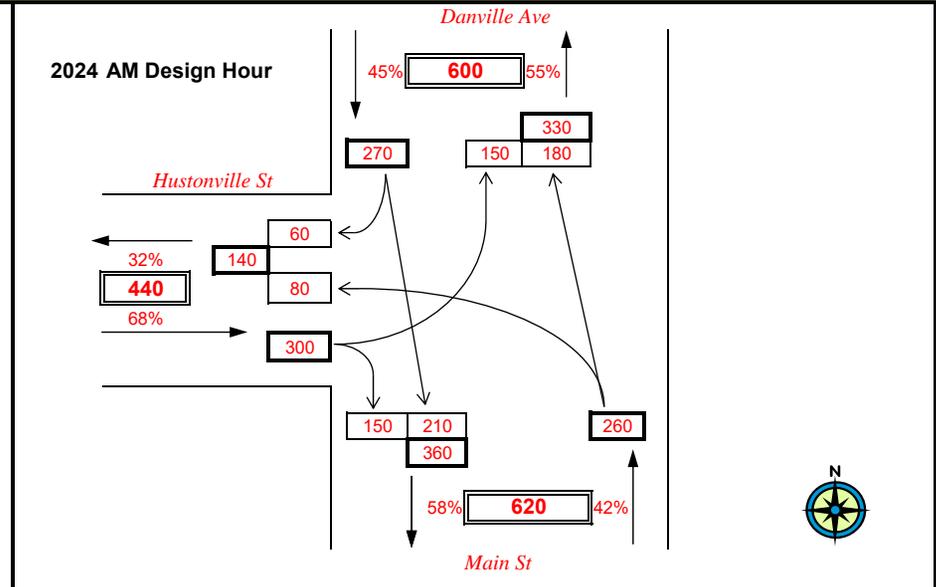
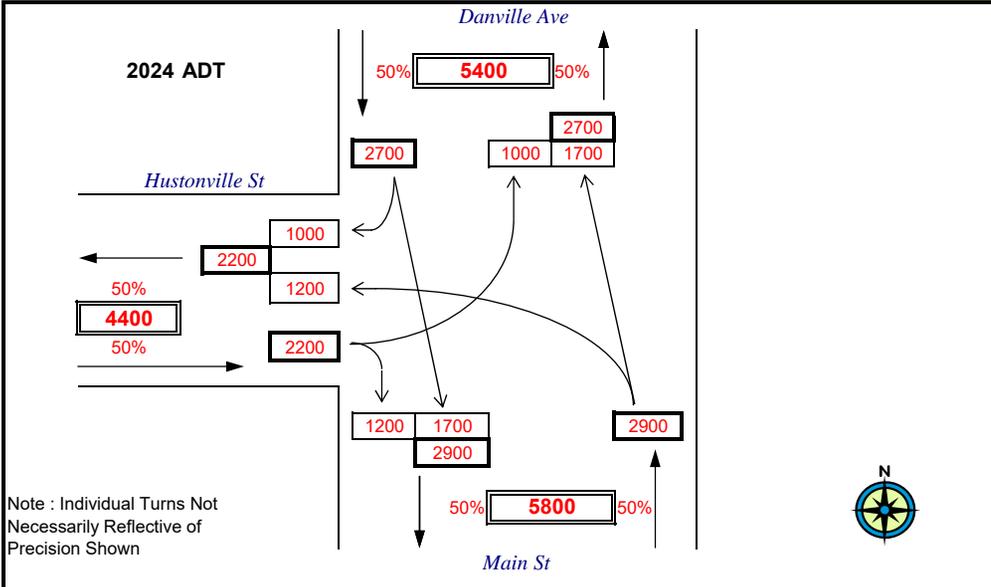


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: Main St & Danville Ave

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

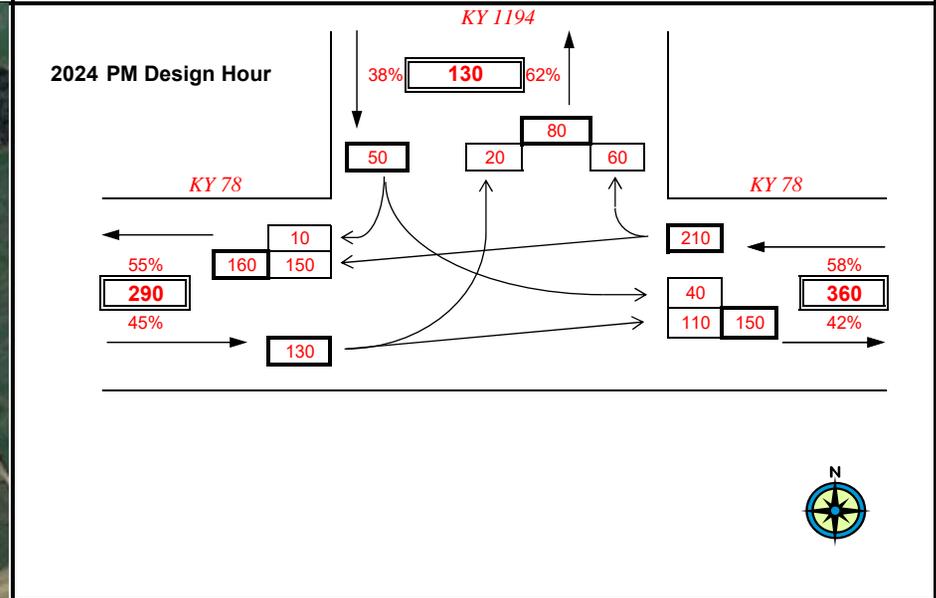
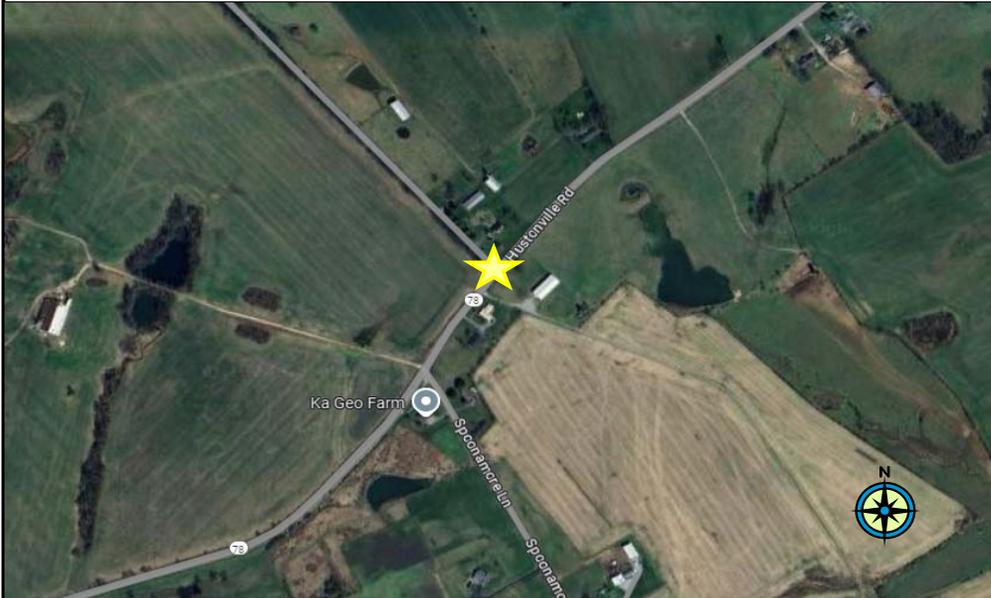
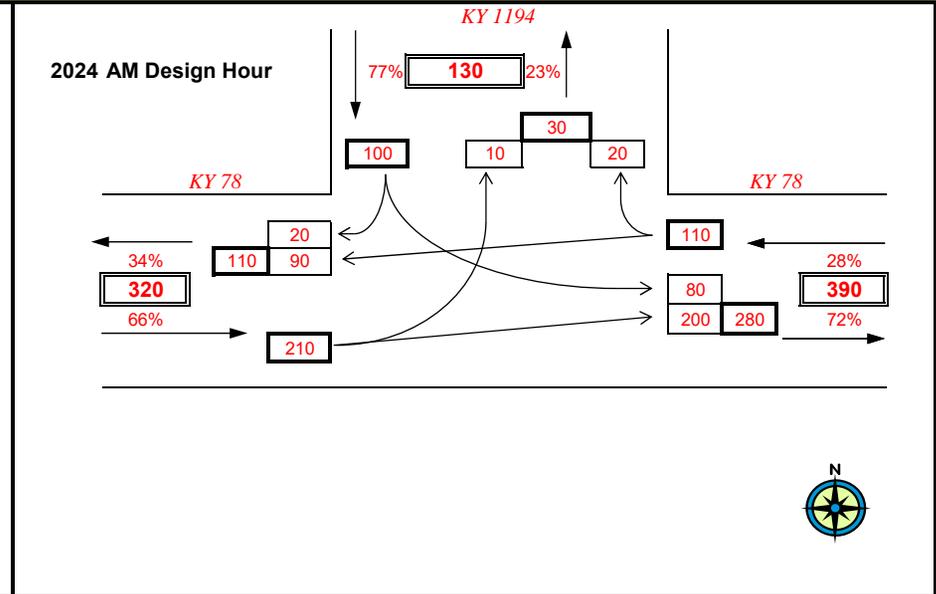
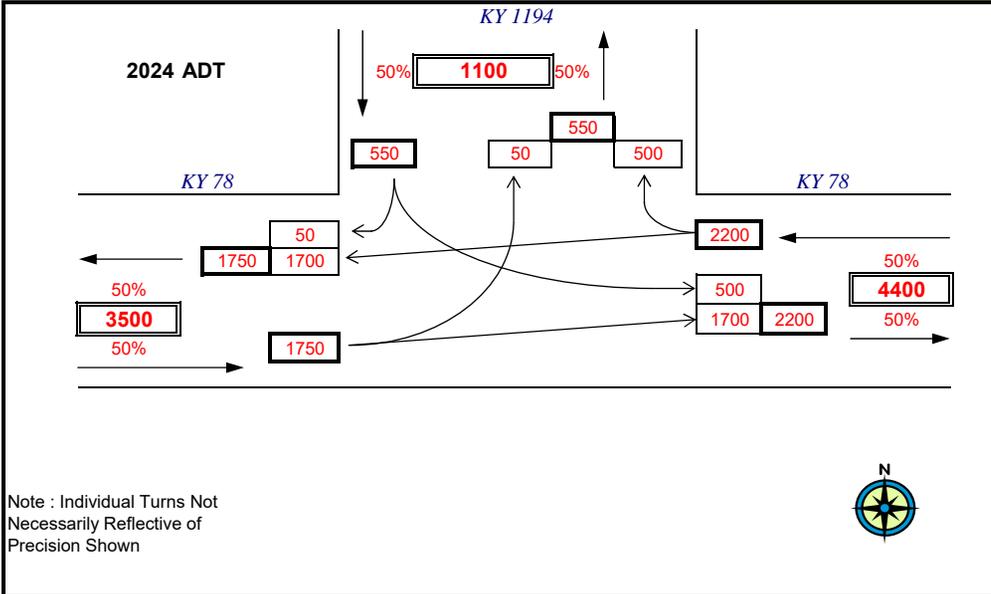


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: KY 78 & KY 1194

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

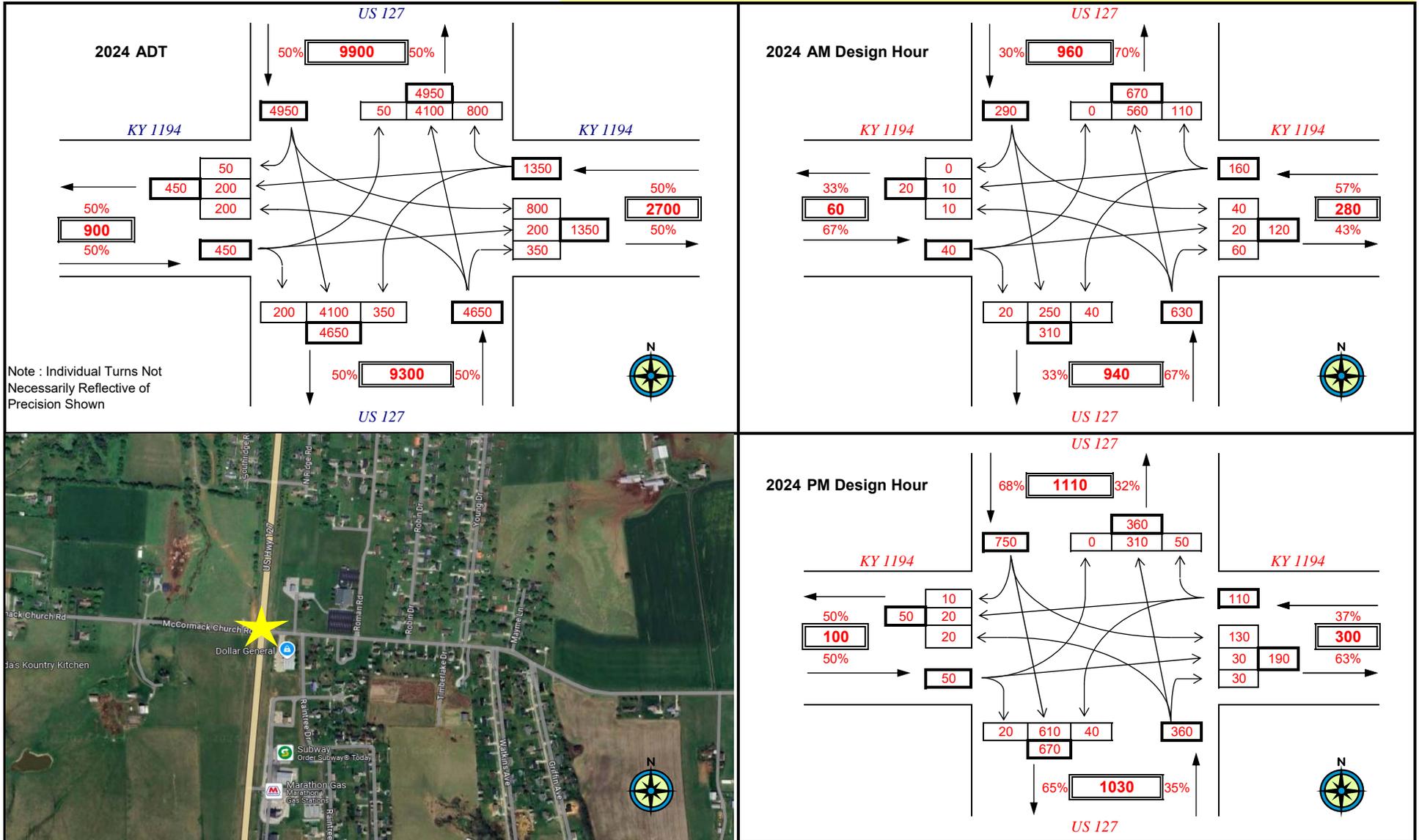


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: KY 1194 & US 127

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



APPENDIX B

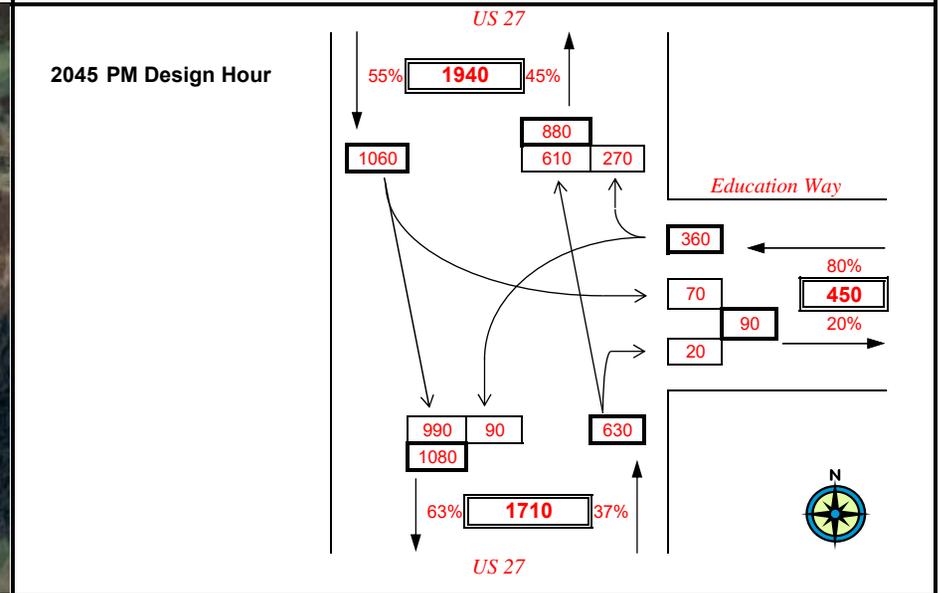
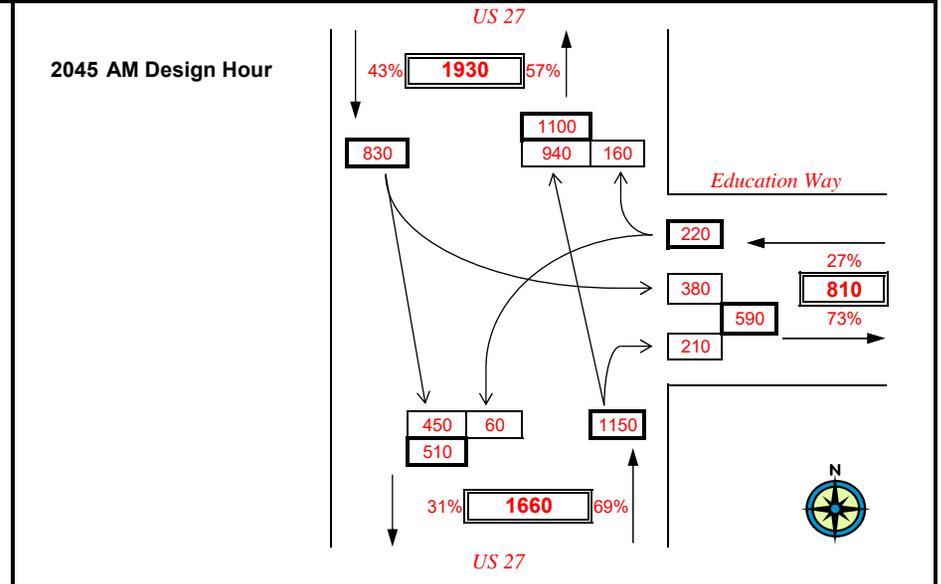
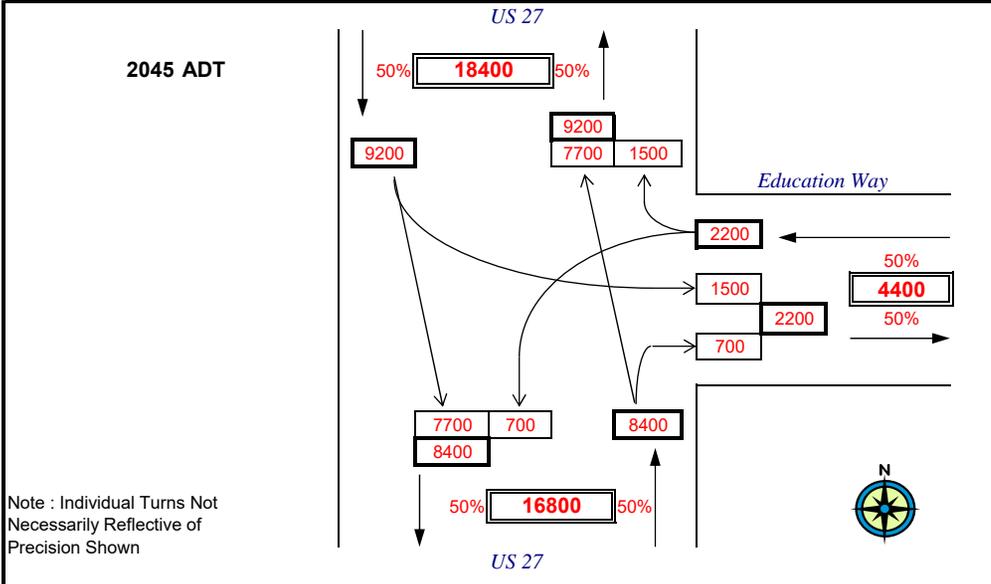
2045 NO-BUILD TRAFFIC FORECAST

PROJECT: KY 1194 Corridor Study Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Education Way

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 1 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

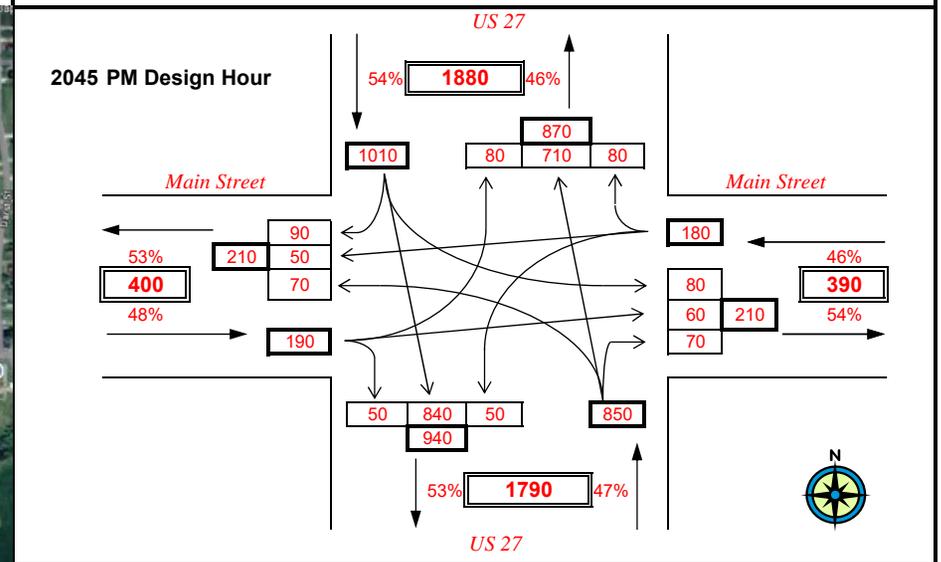
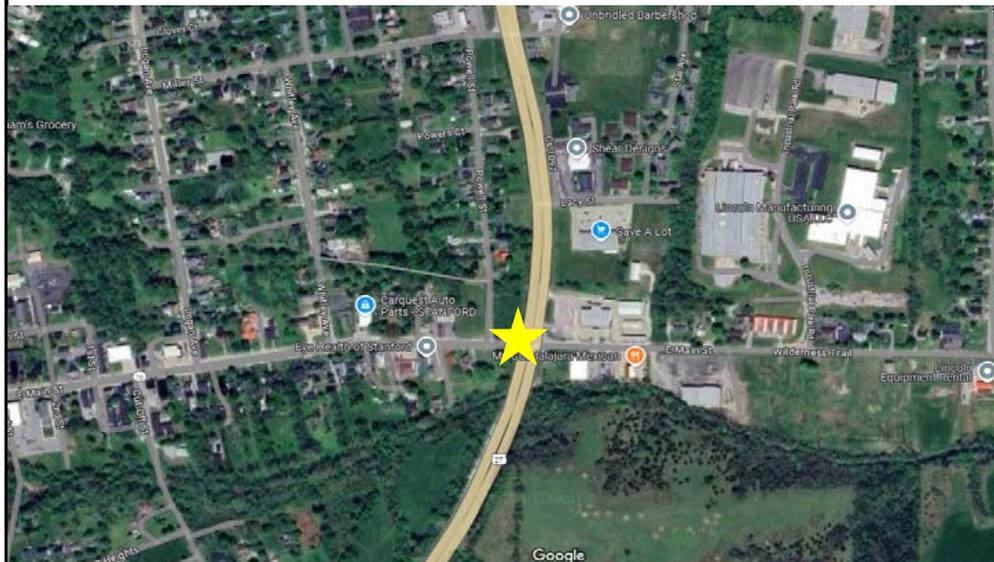
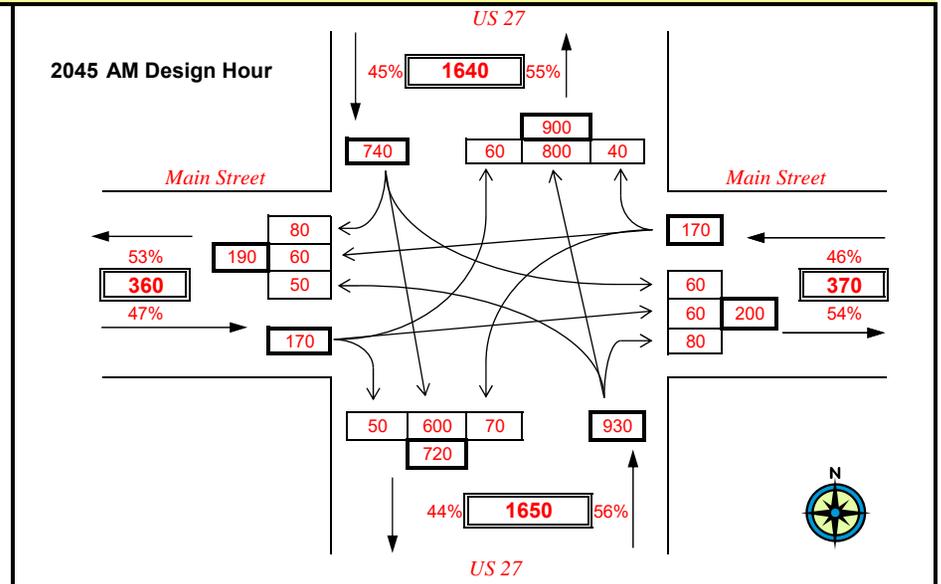
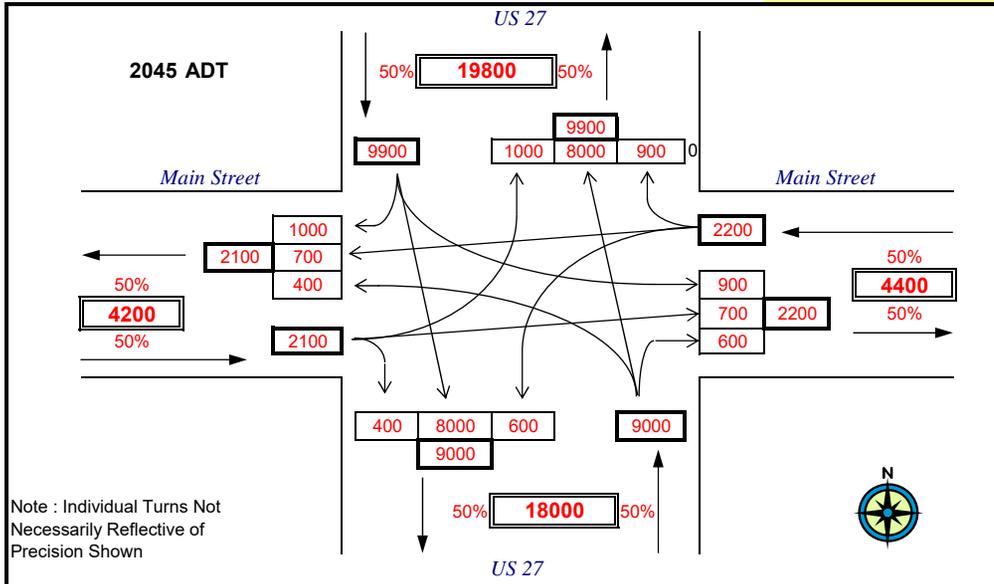


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Main St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 2 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

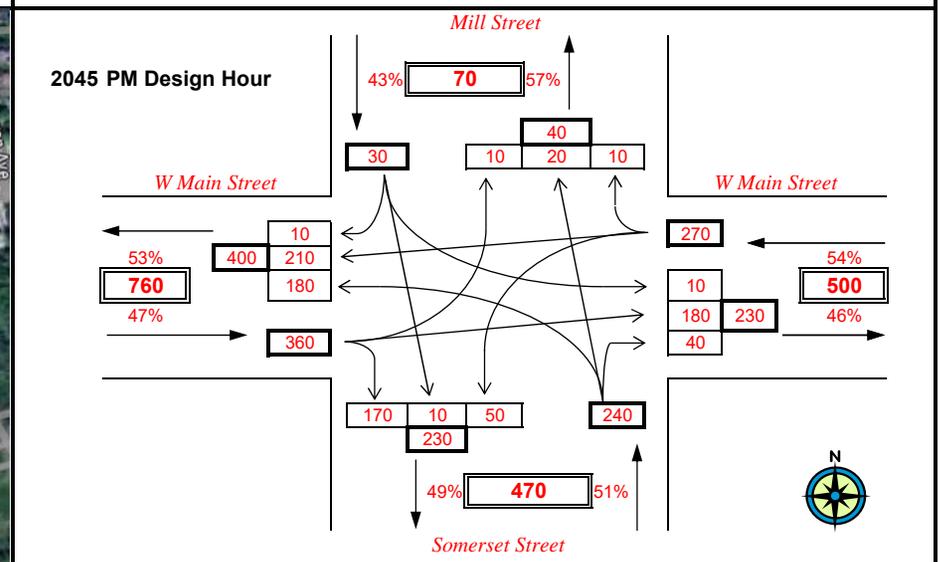
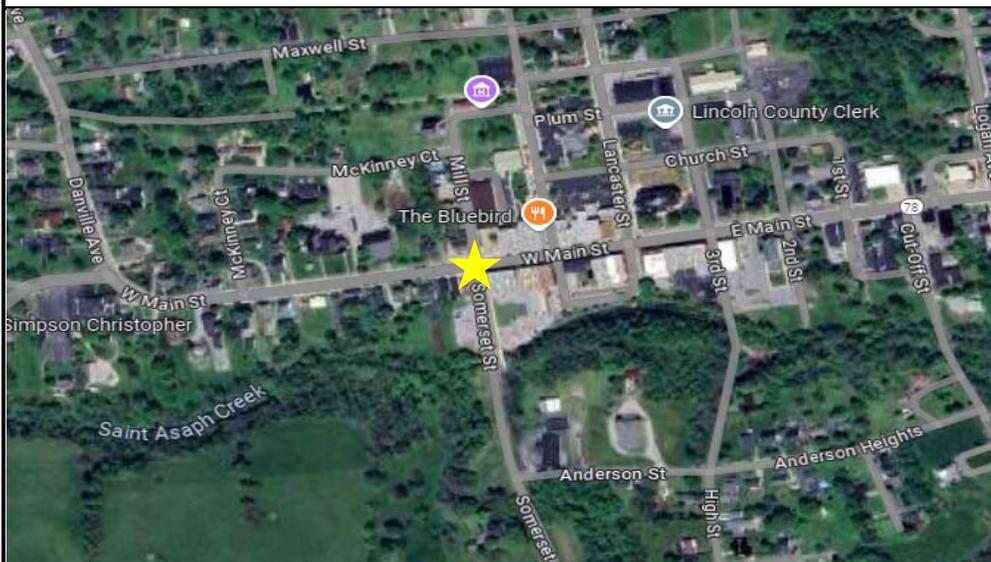
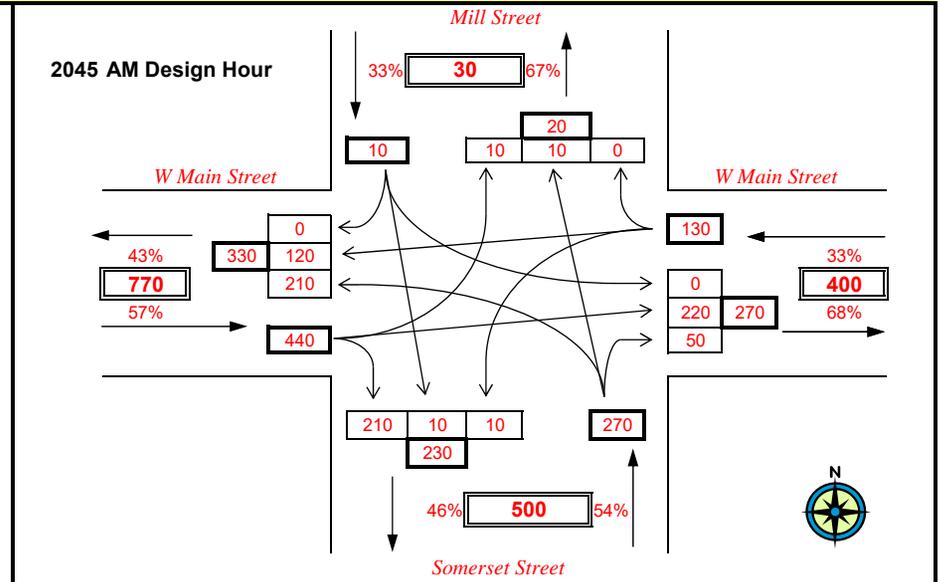
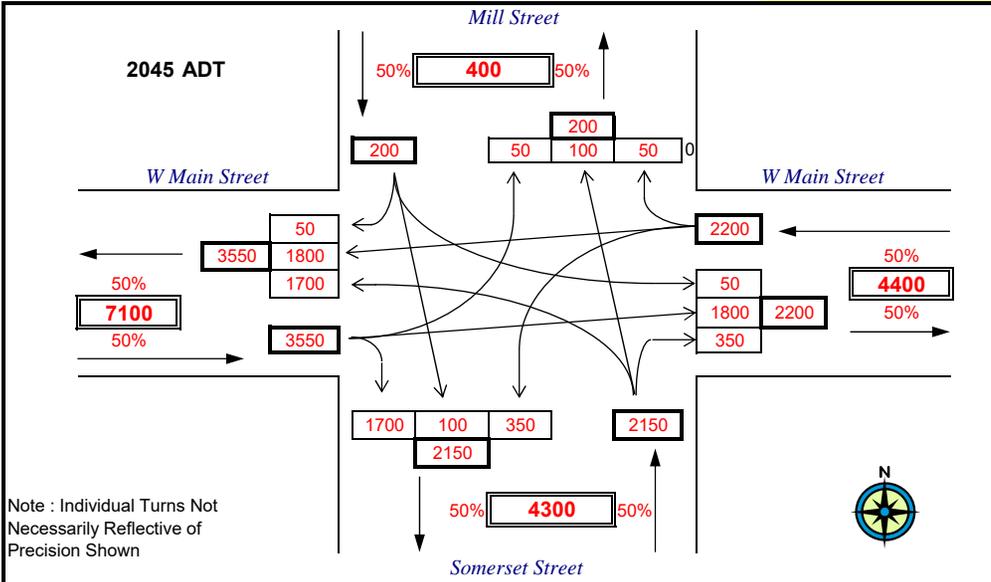


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: **2045** ADT and Design Hour Volumes
 INTERSECTION: Main St & Somerset St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

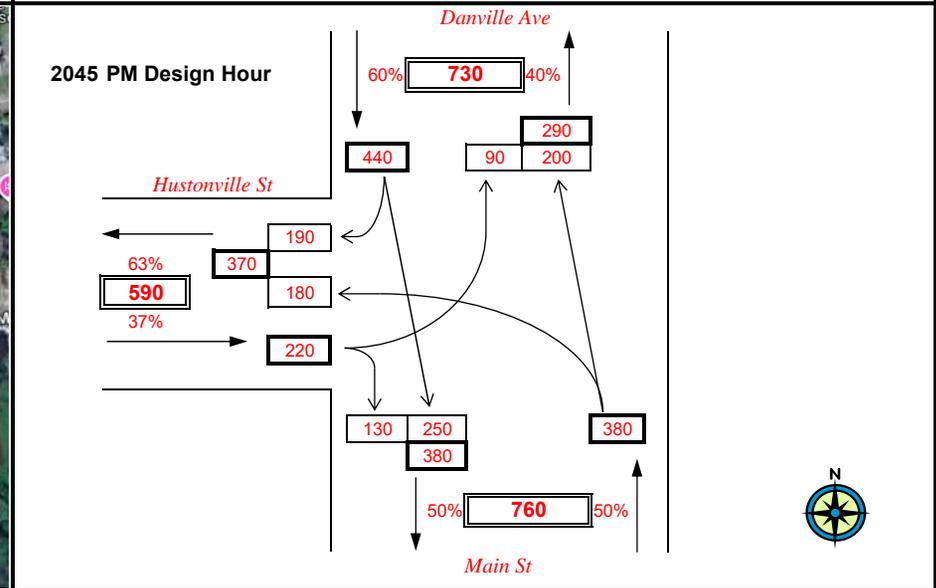
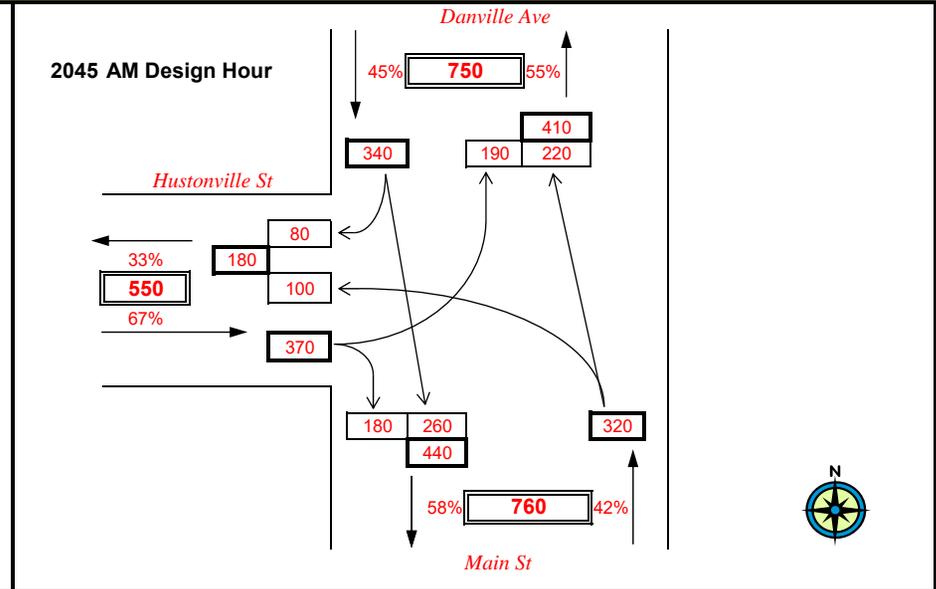
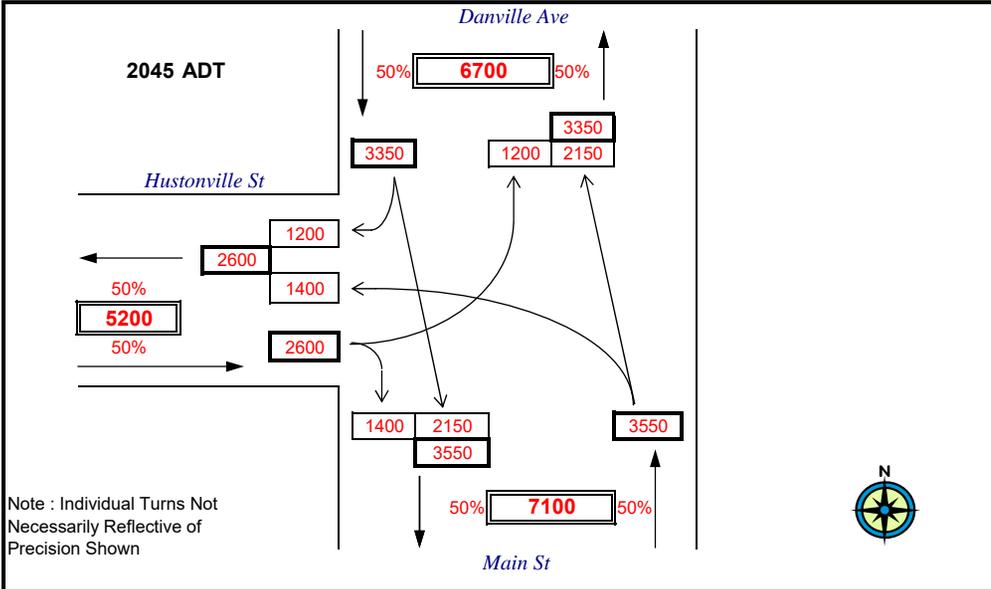


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Main St & Danville Ave

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

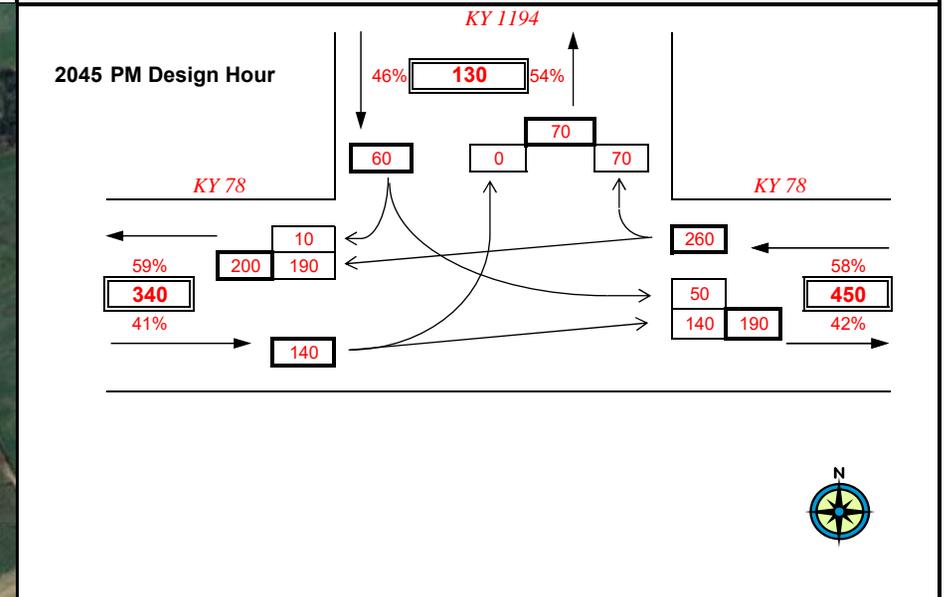
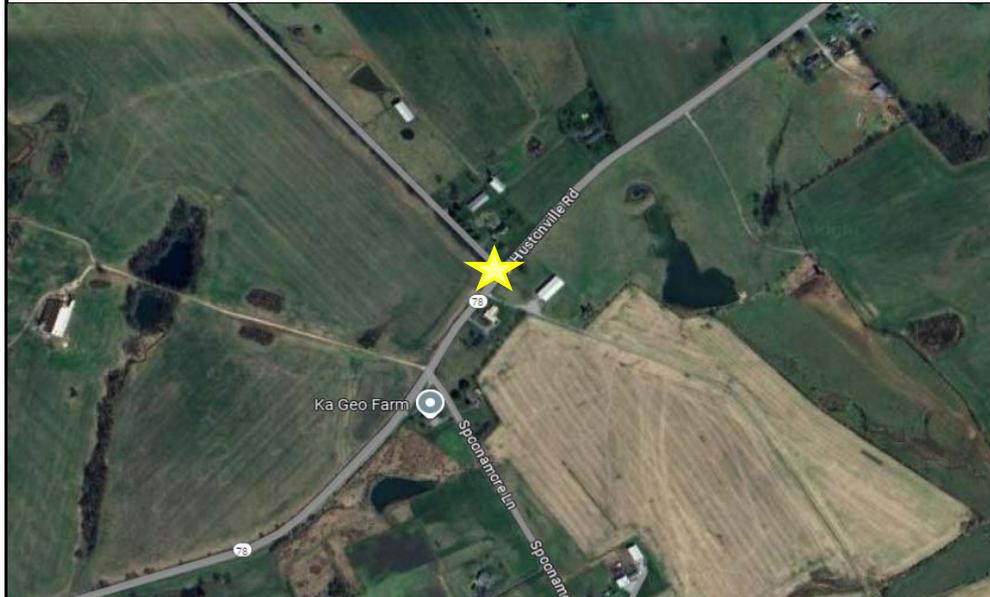
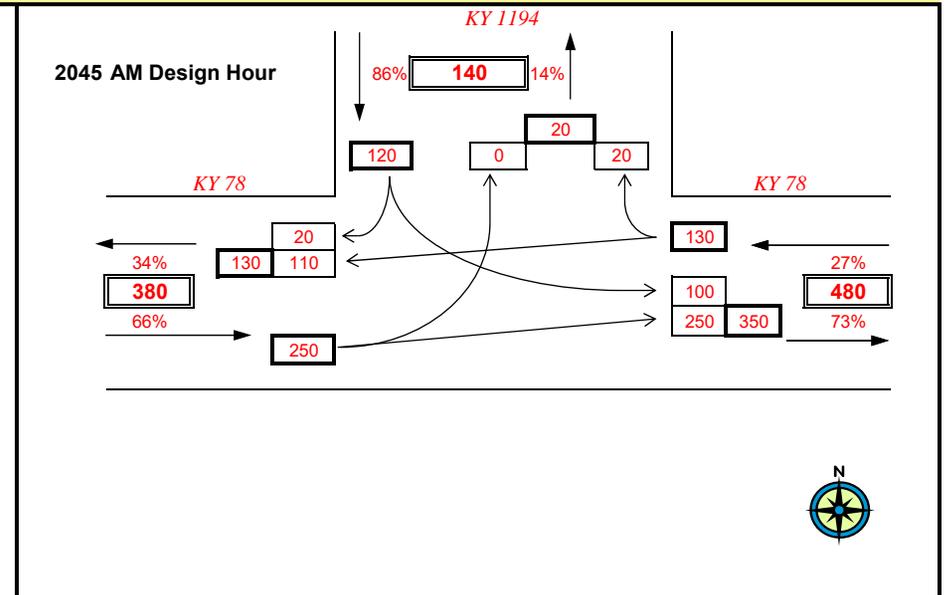
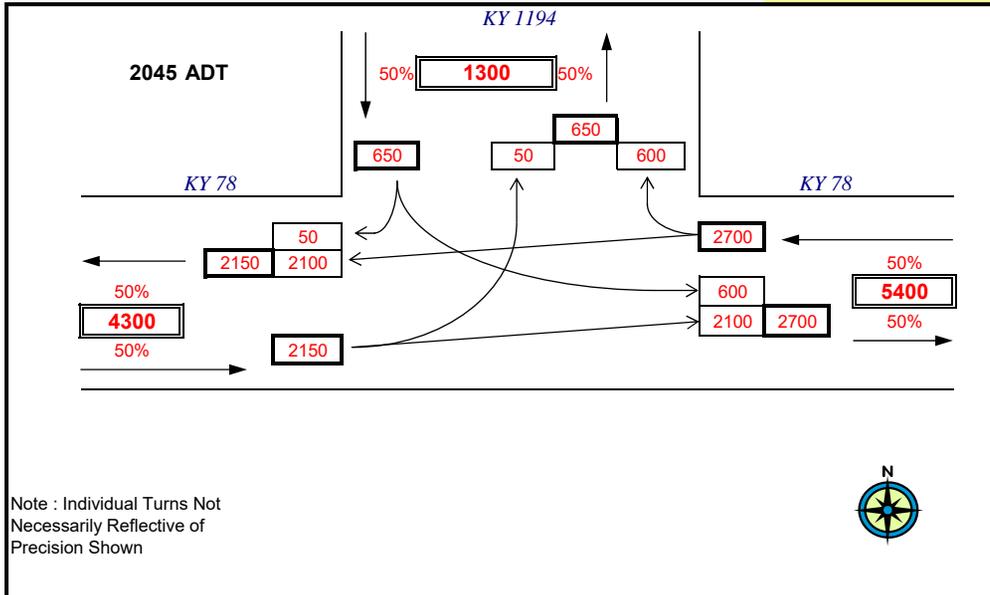


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 78 & KY 1194

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

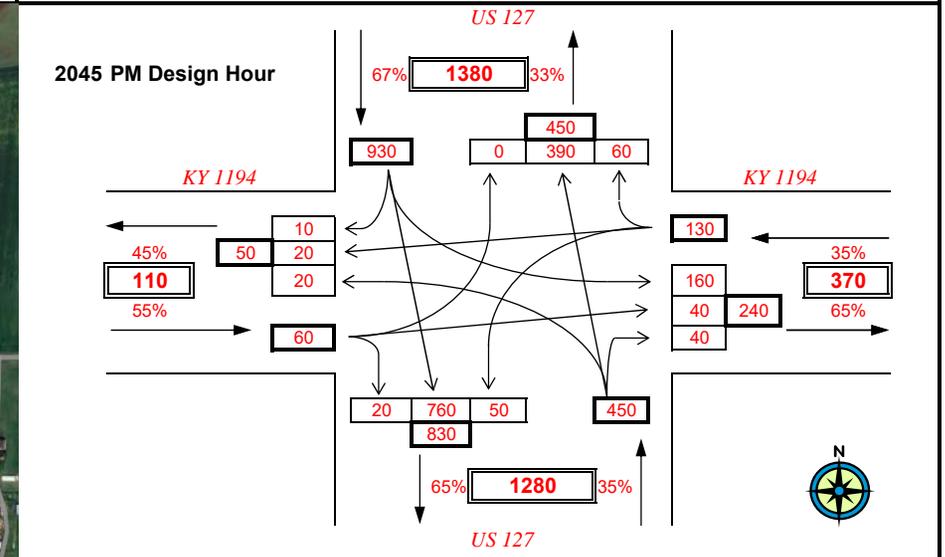
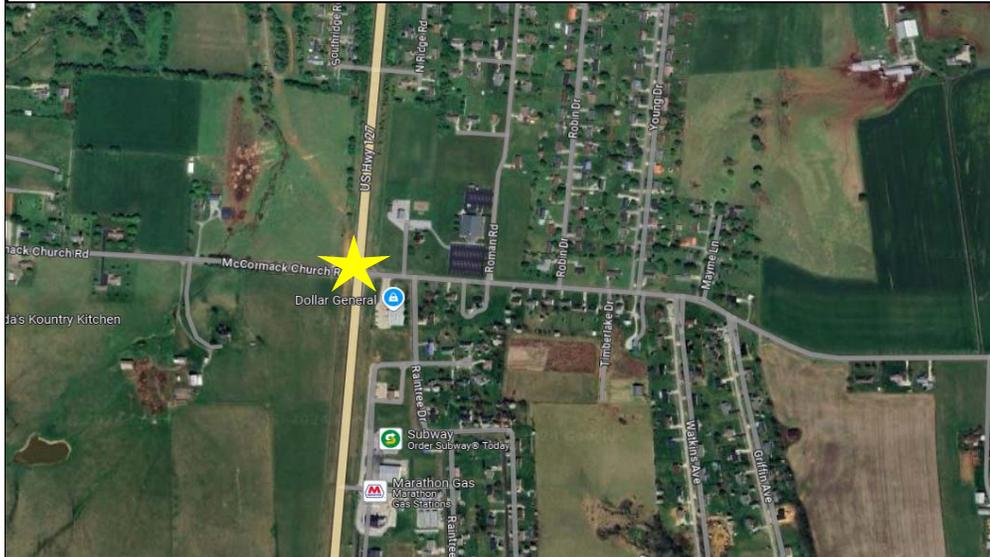
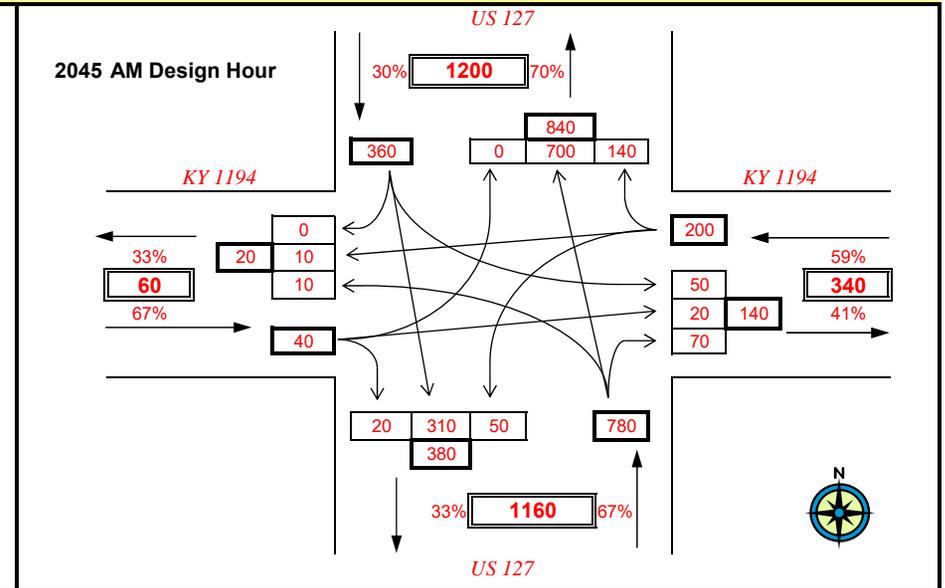
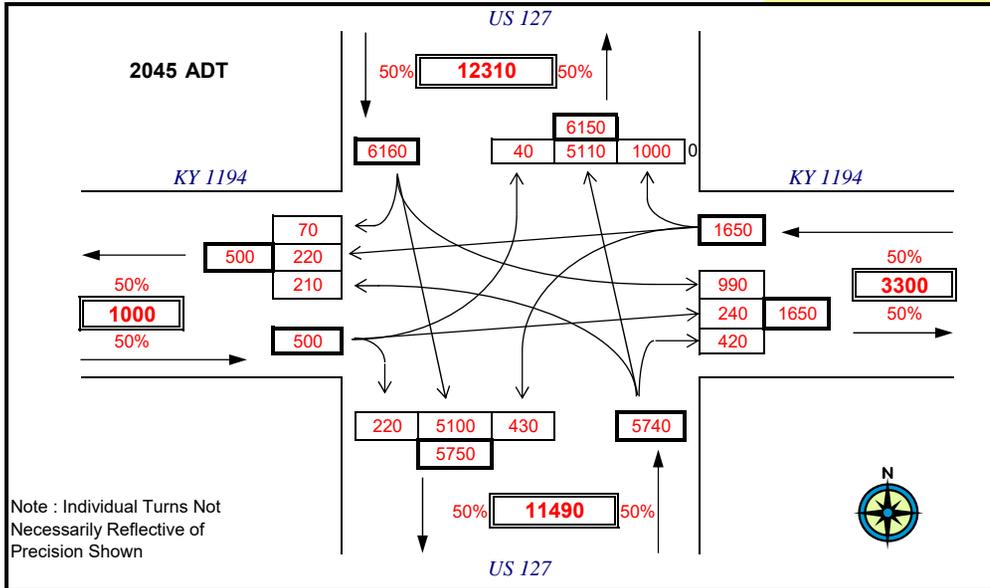


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 1194 & US 127

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



APPENDIX C

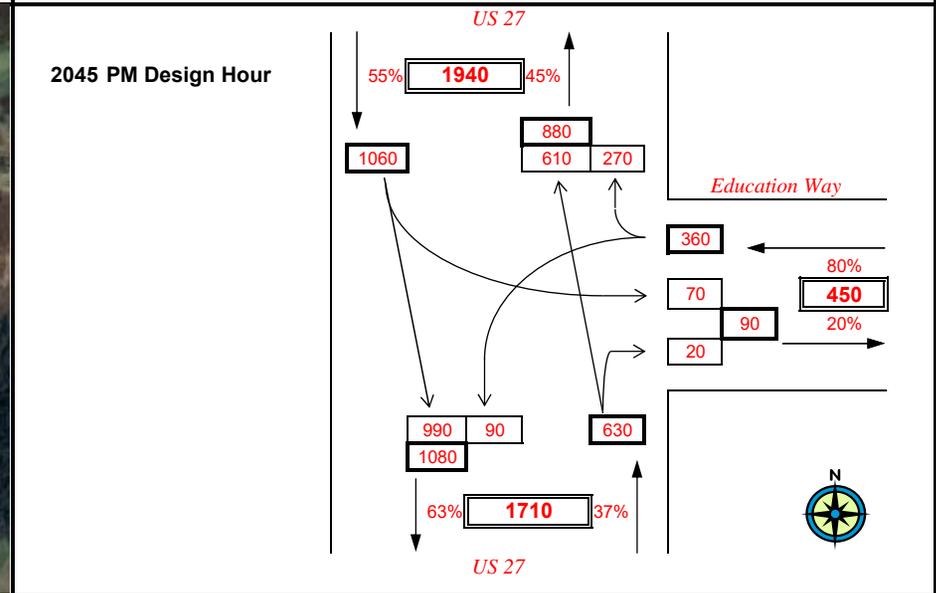
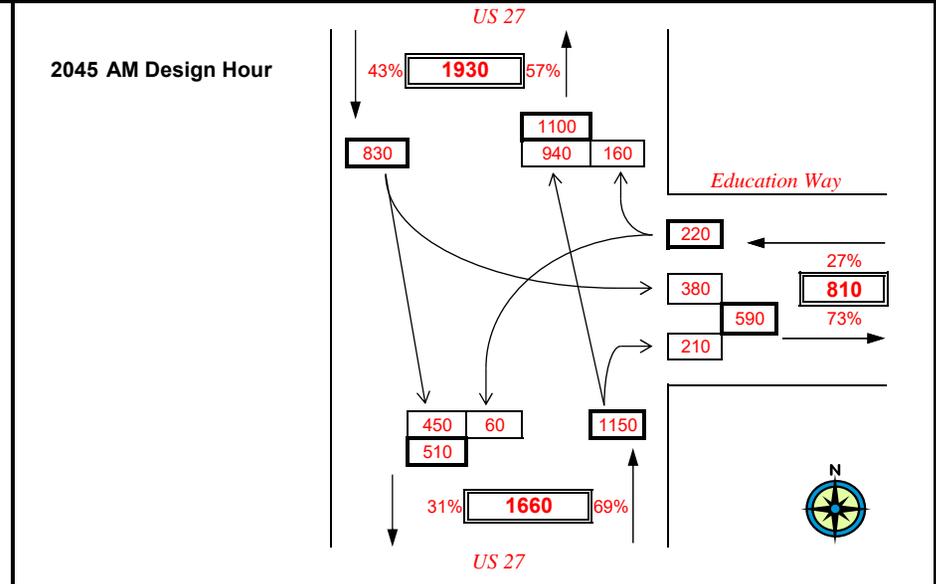
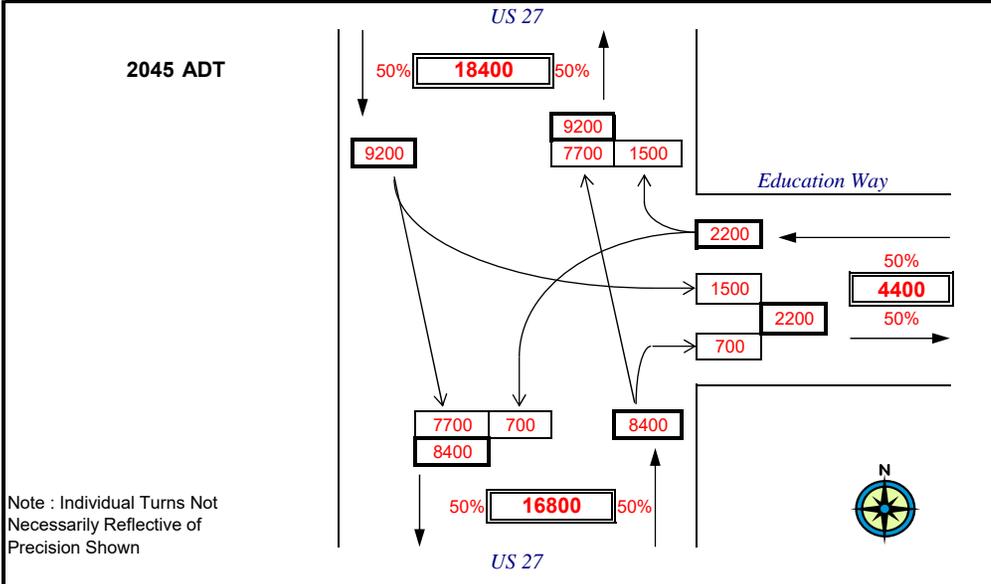
2045 SHORT BYPASS FORECAST

PROJECT: KY 1194 Corridor Study Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Education Way

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 1 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

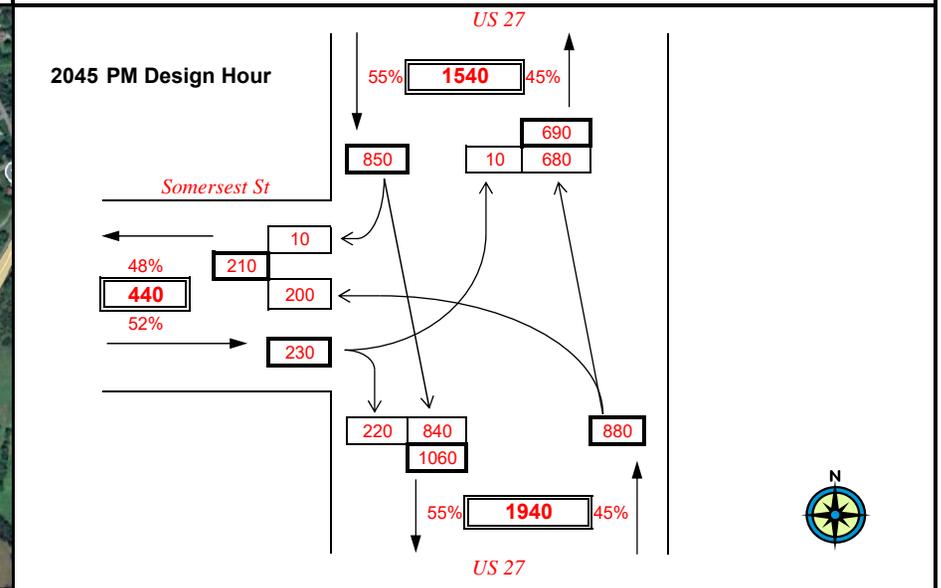
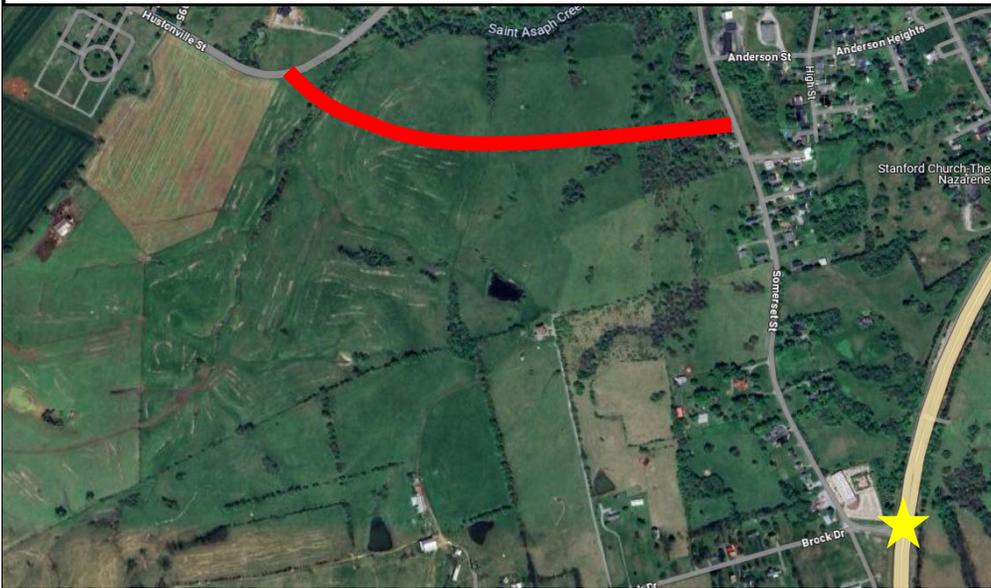
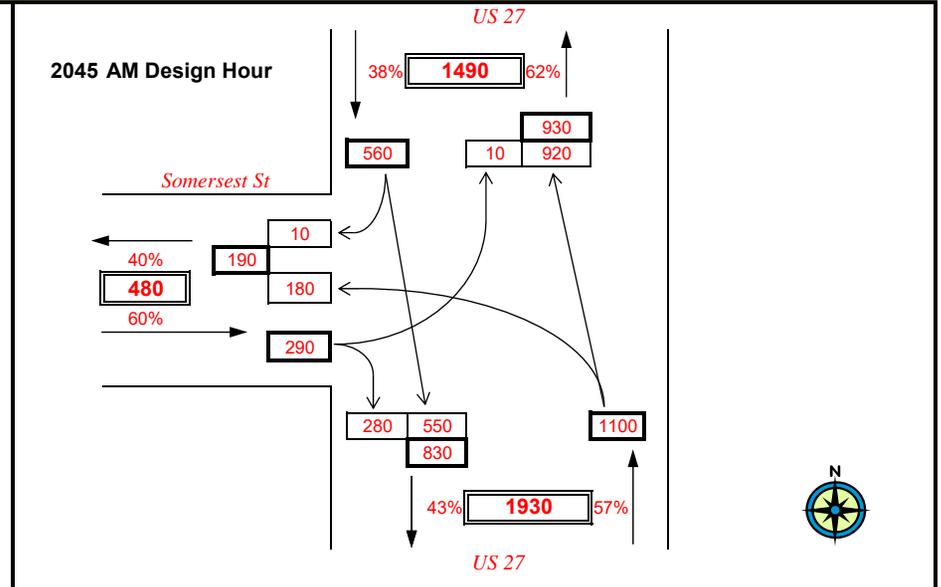
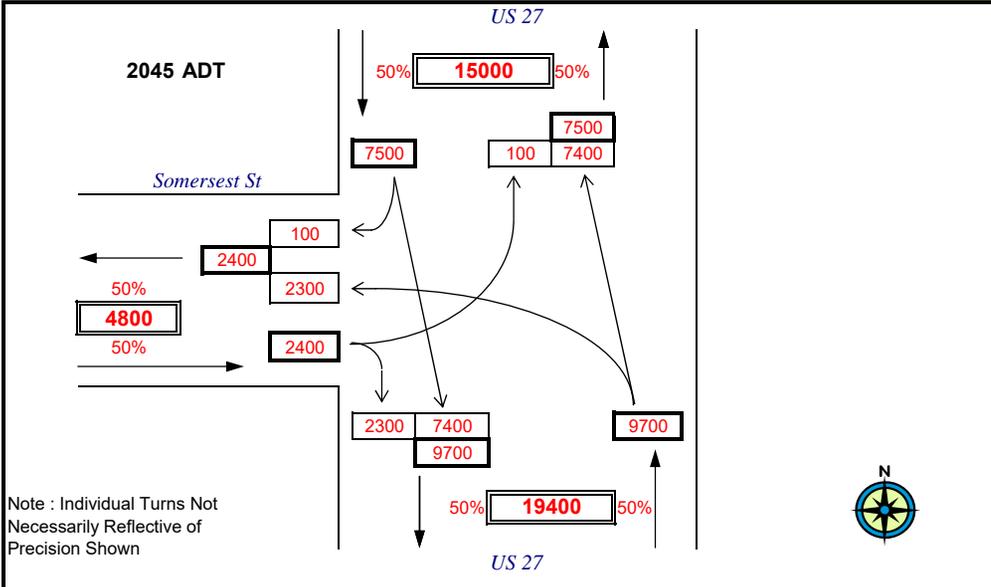


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Somerset St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

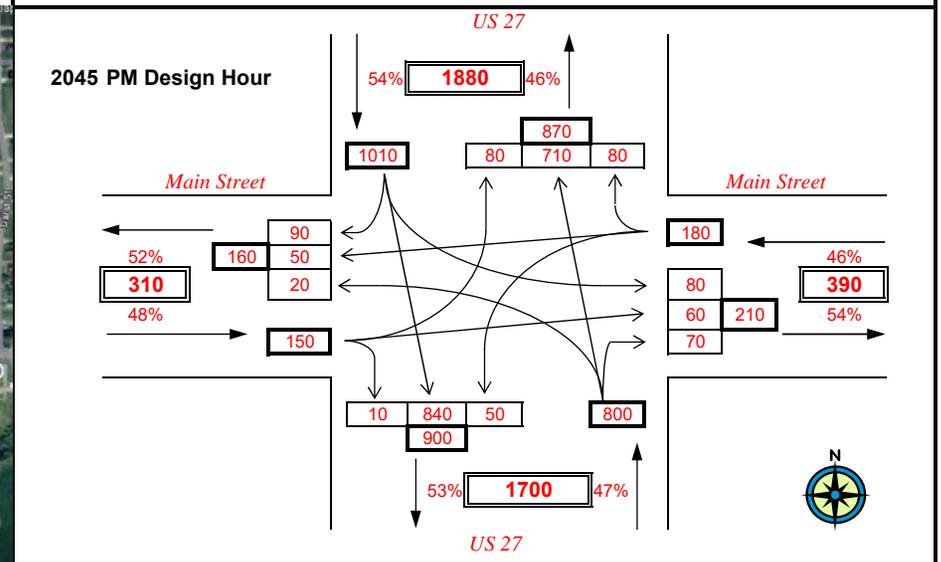
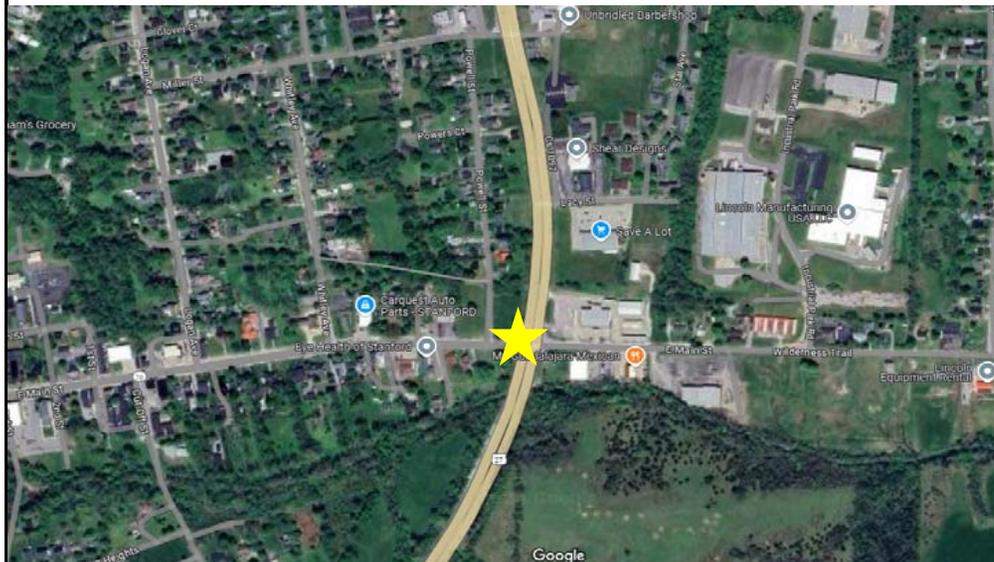
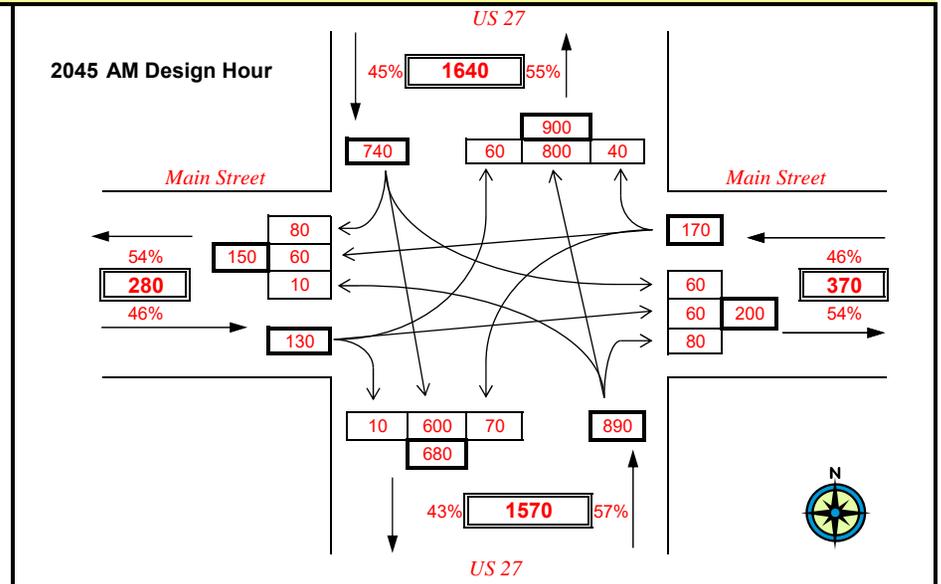
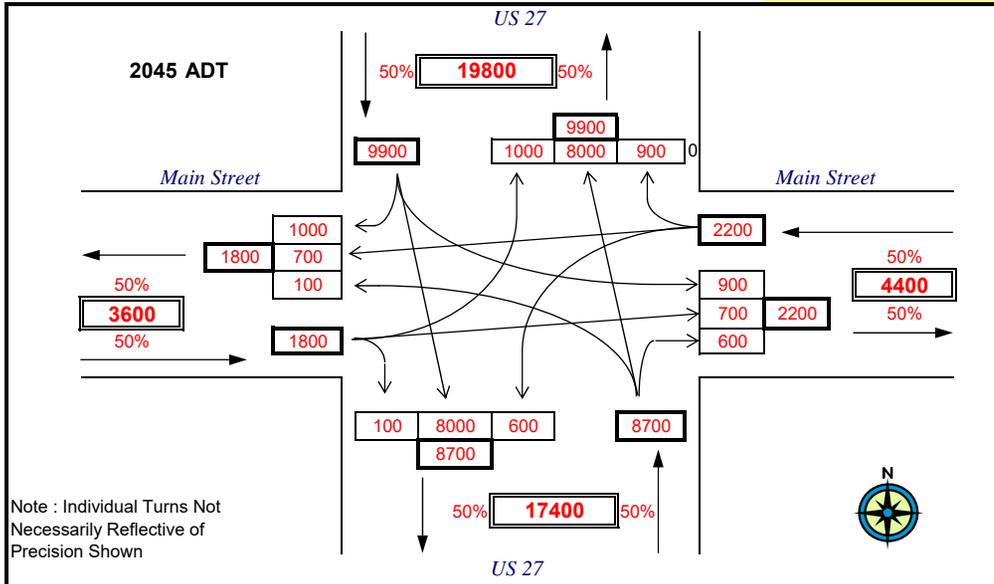


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Main St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 2 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

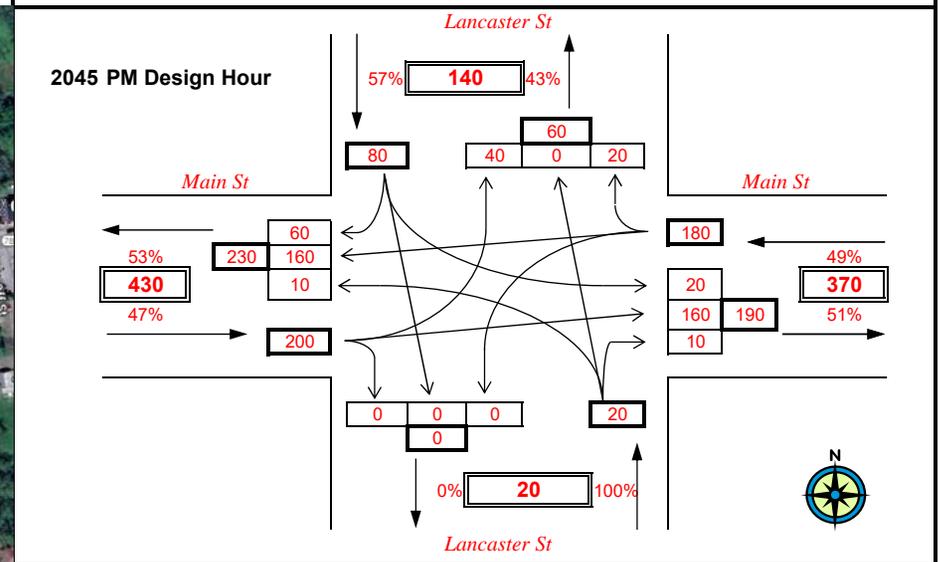
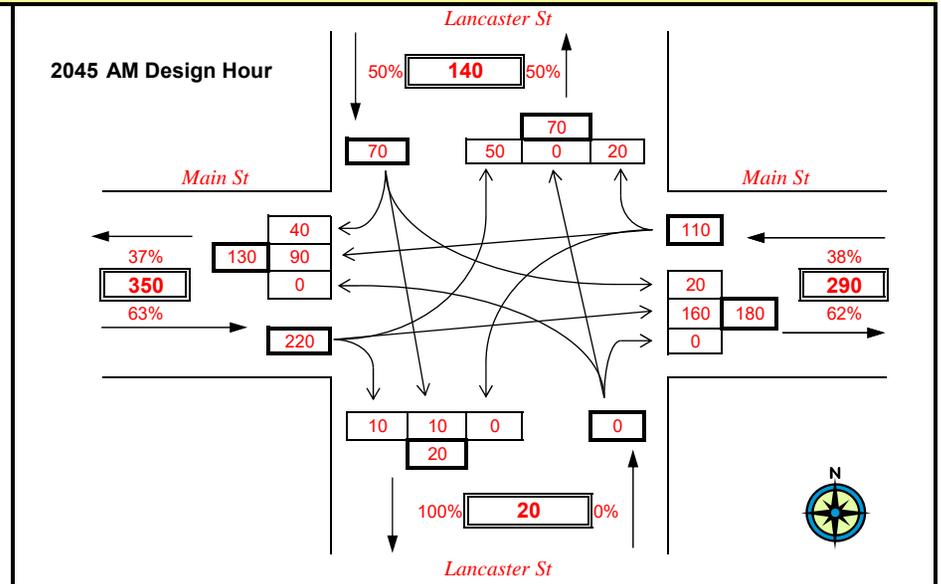
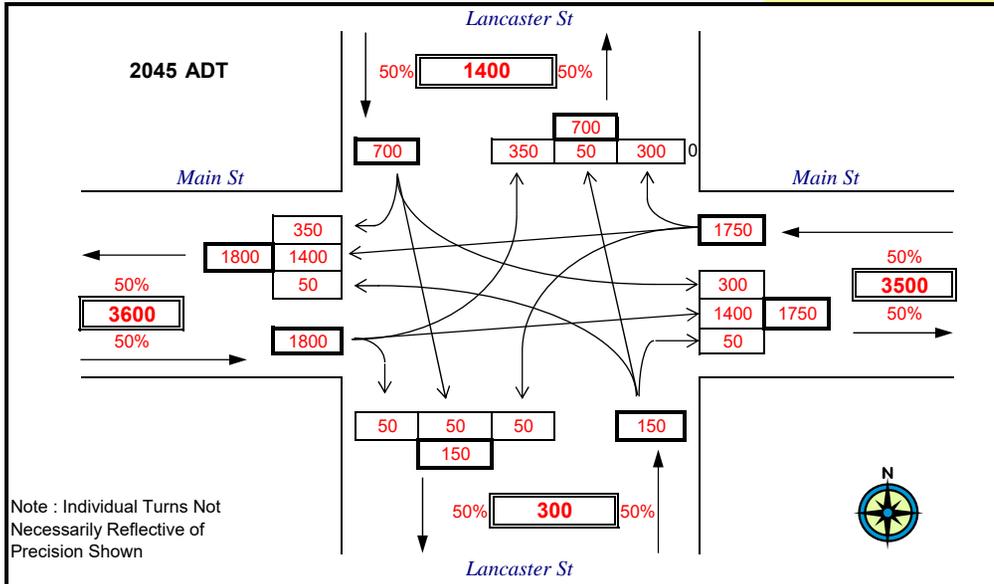


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Main Street & Lancaster Street

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

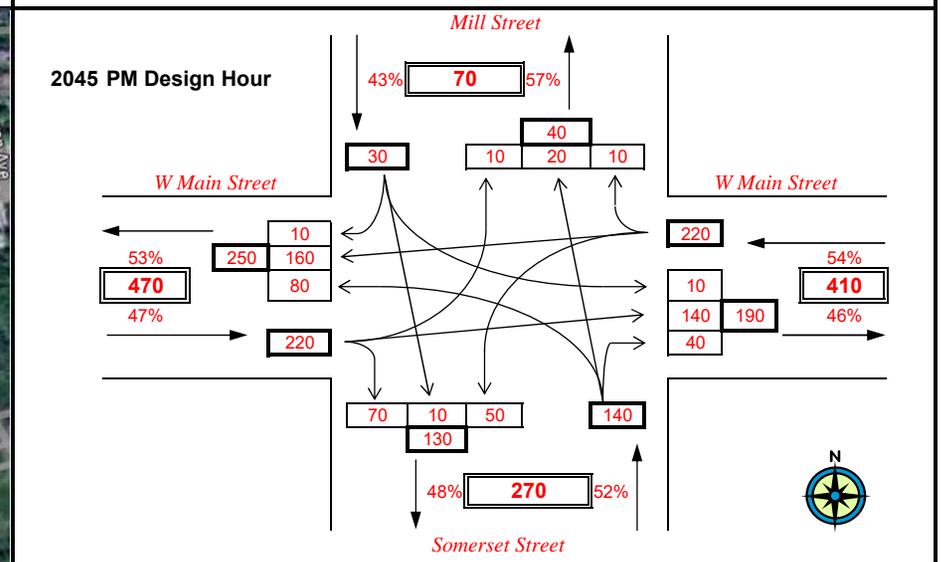
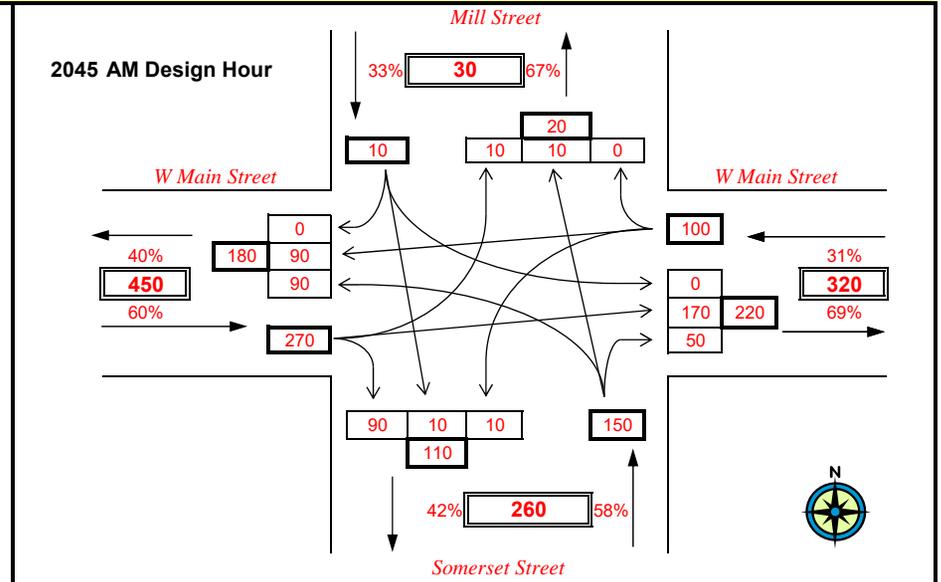
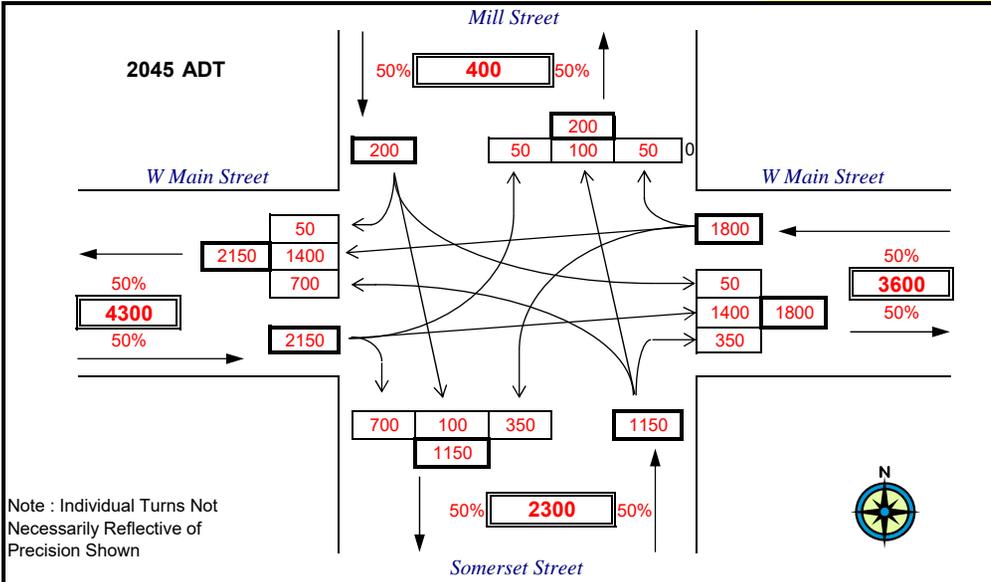


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Main St & Somerset St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

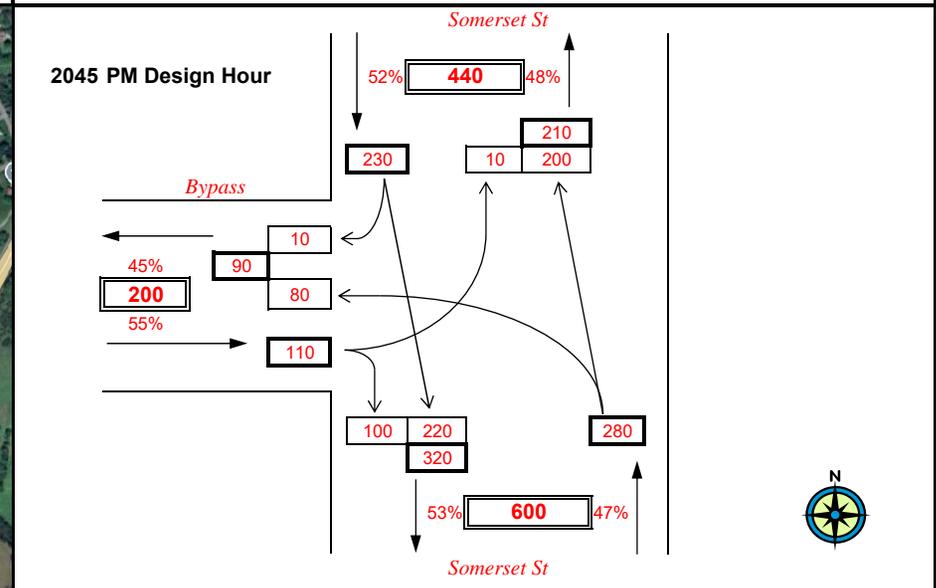
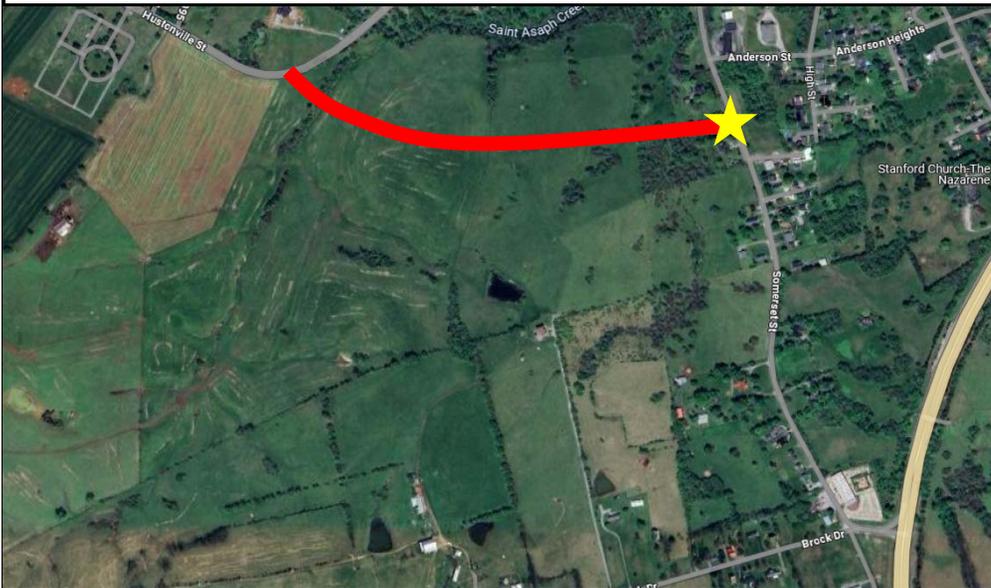
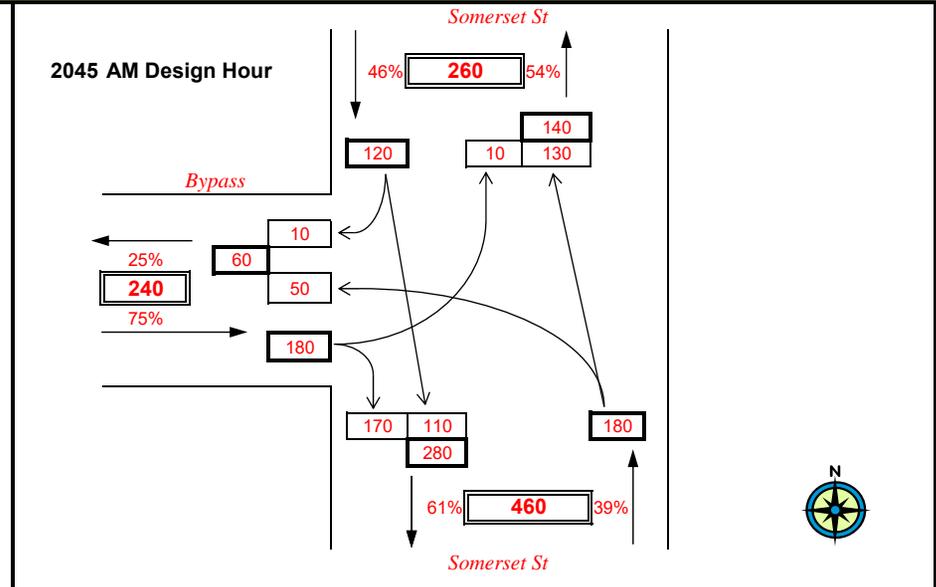
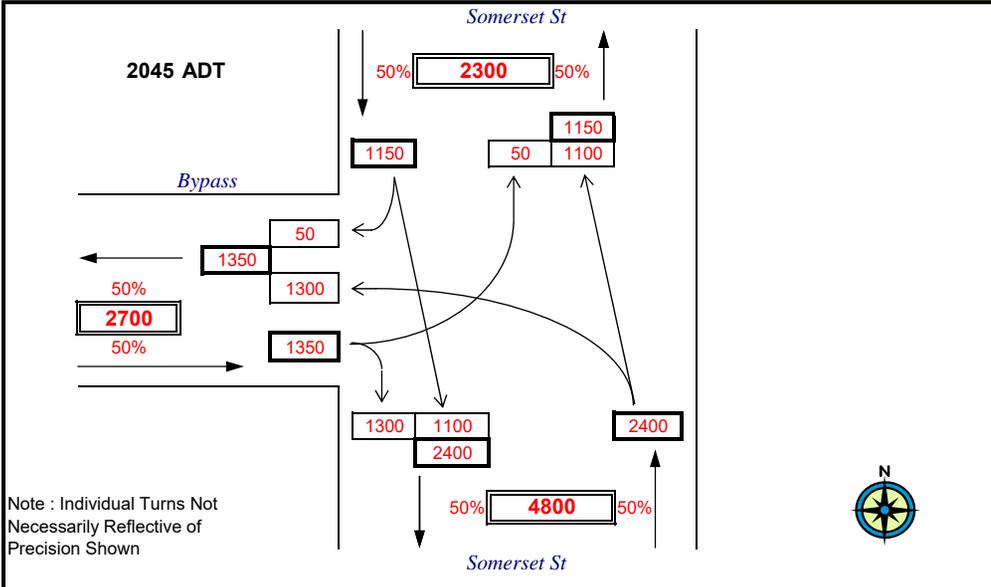


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Somerset St & Bypass

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

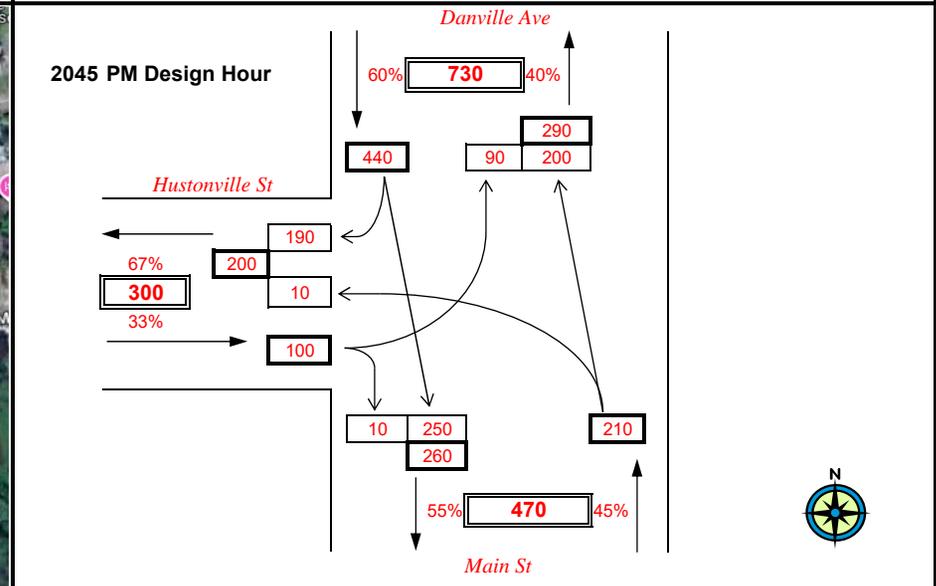
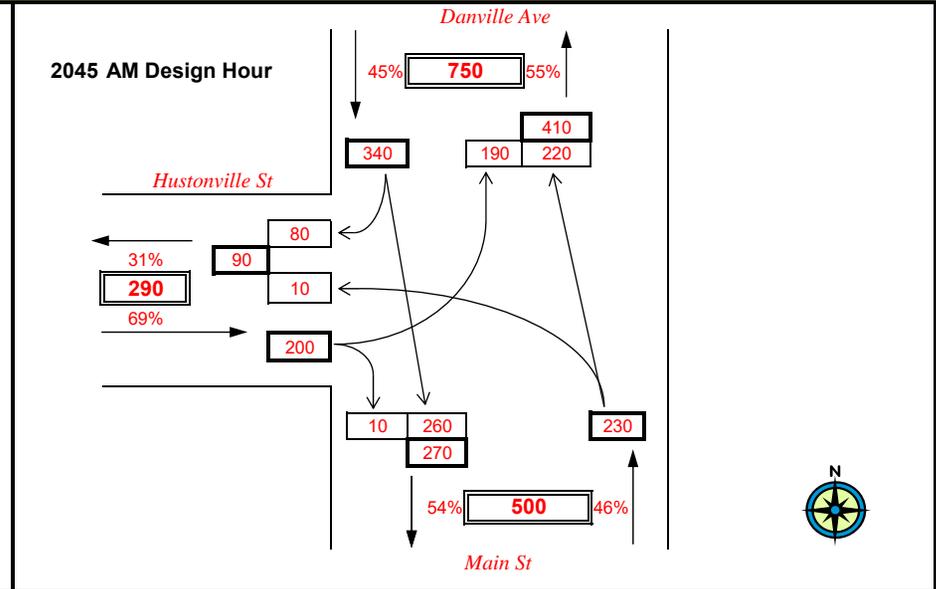
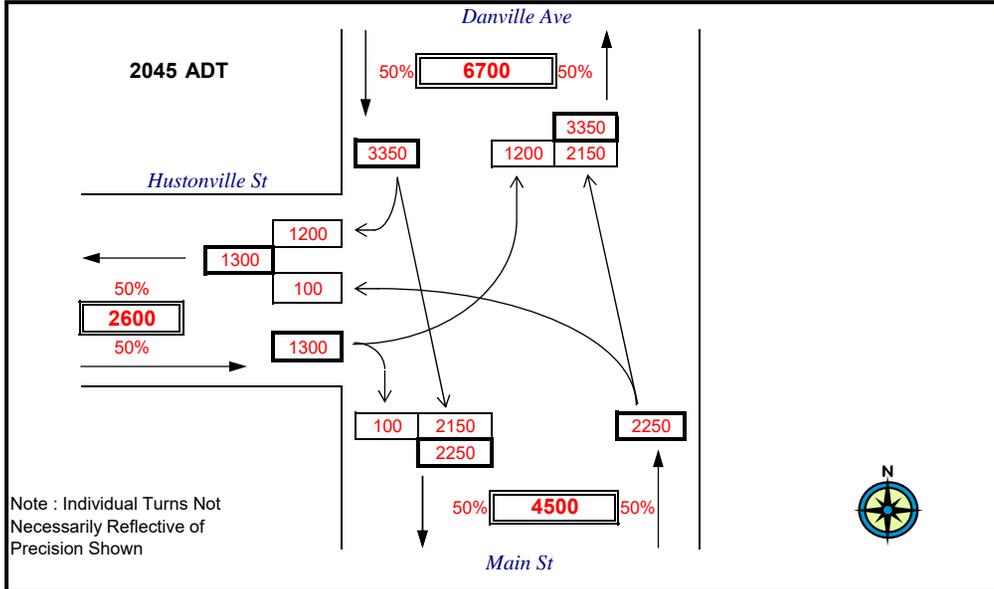


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Main St & Danville Ave

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

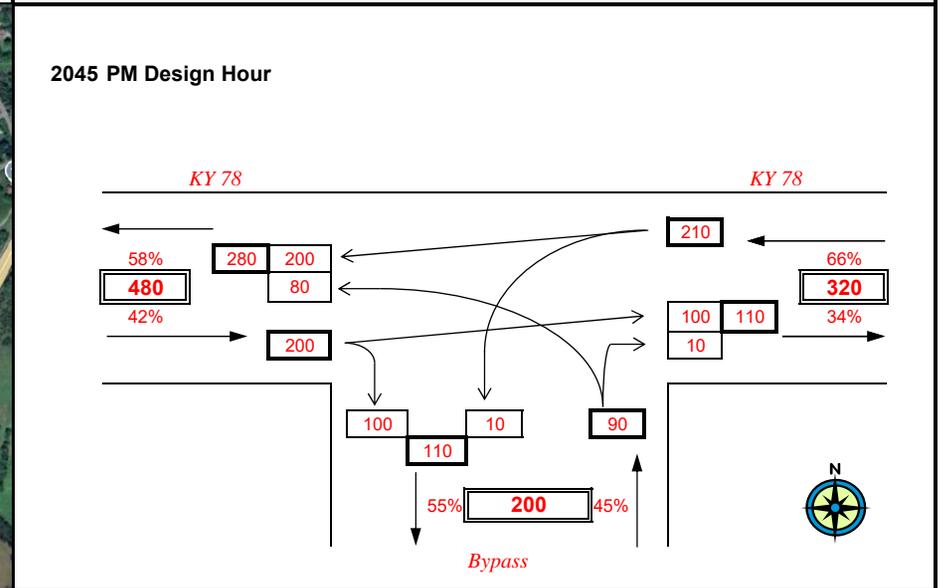
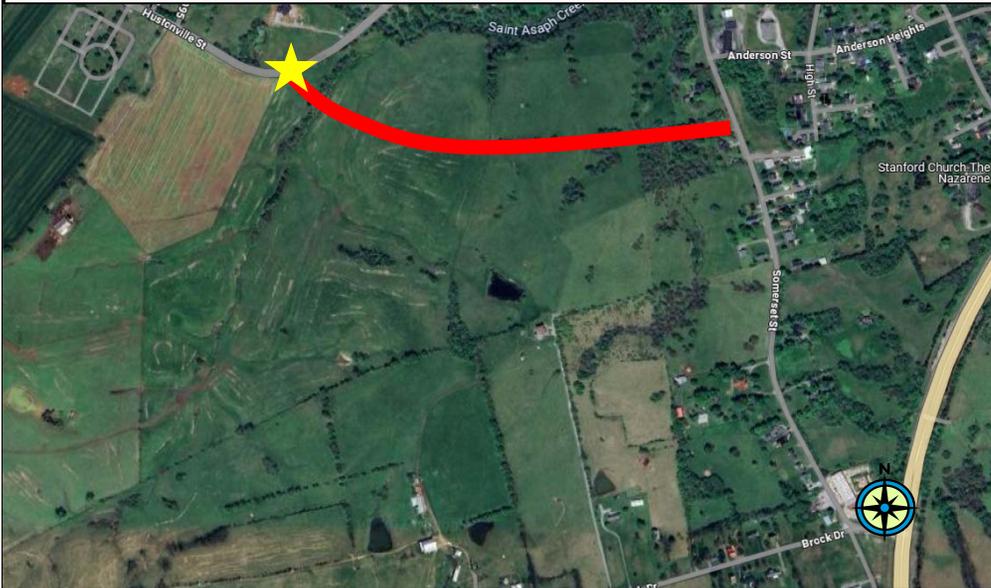
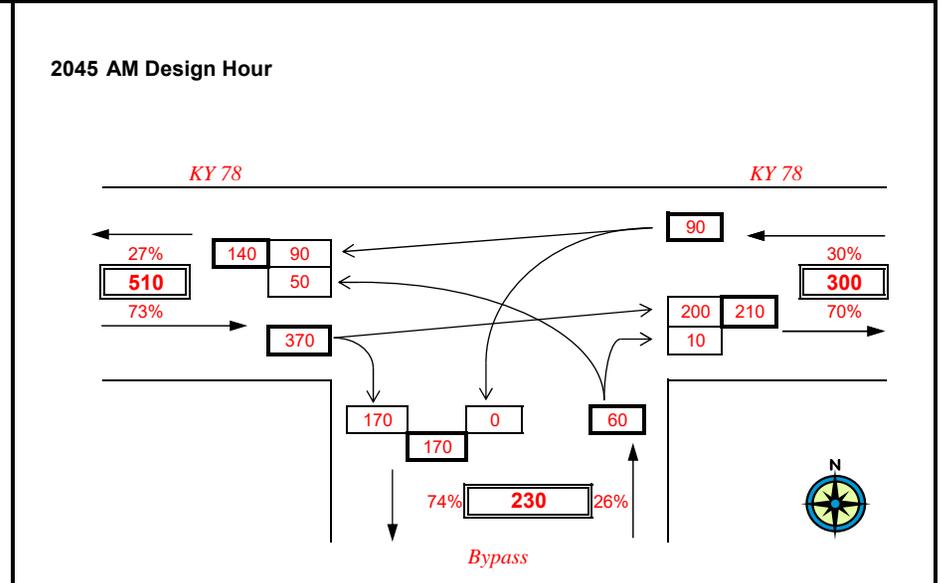
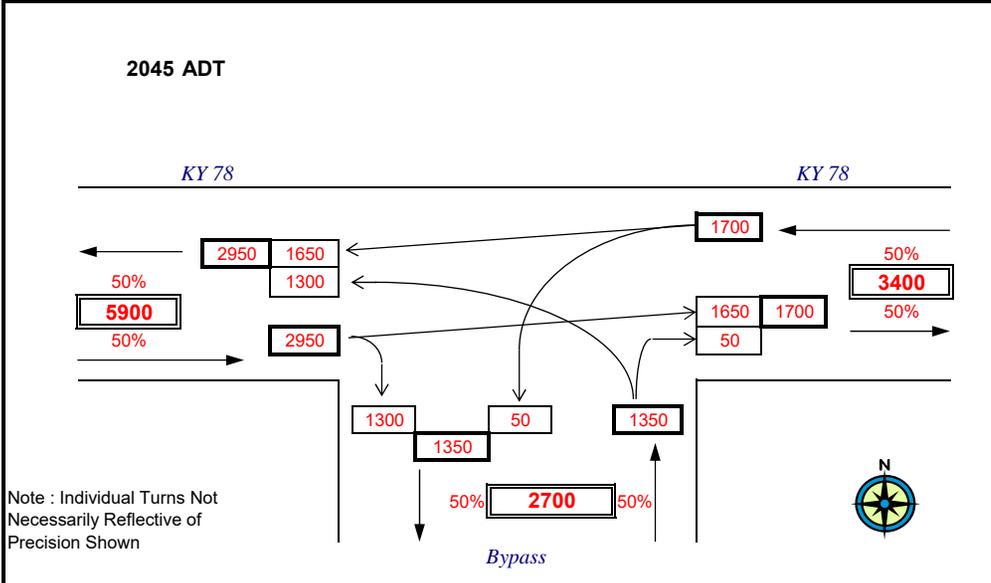


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 78 & Bypass

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

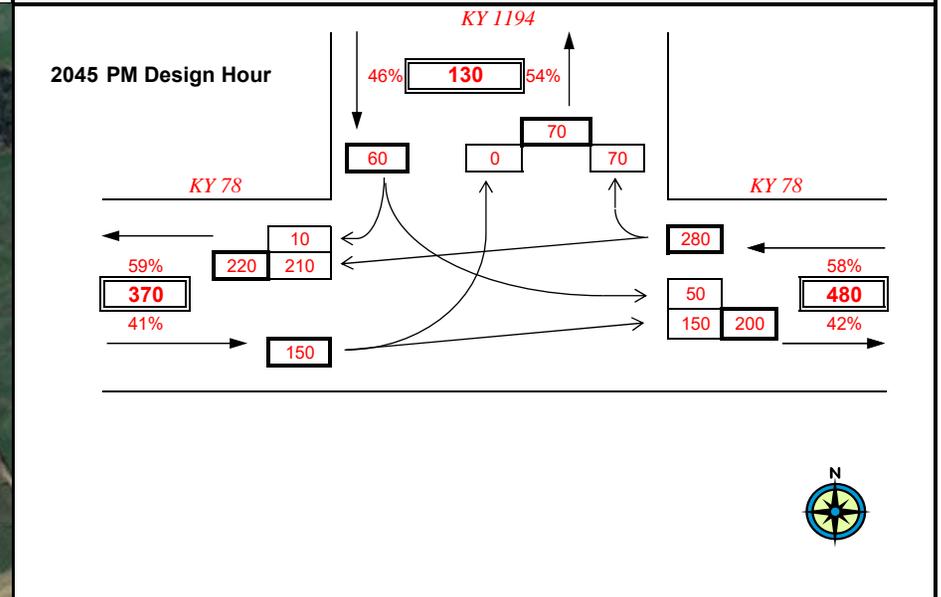
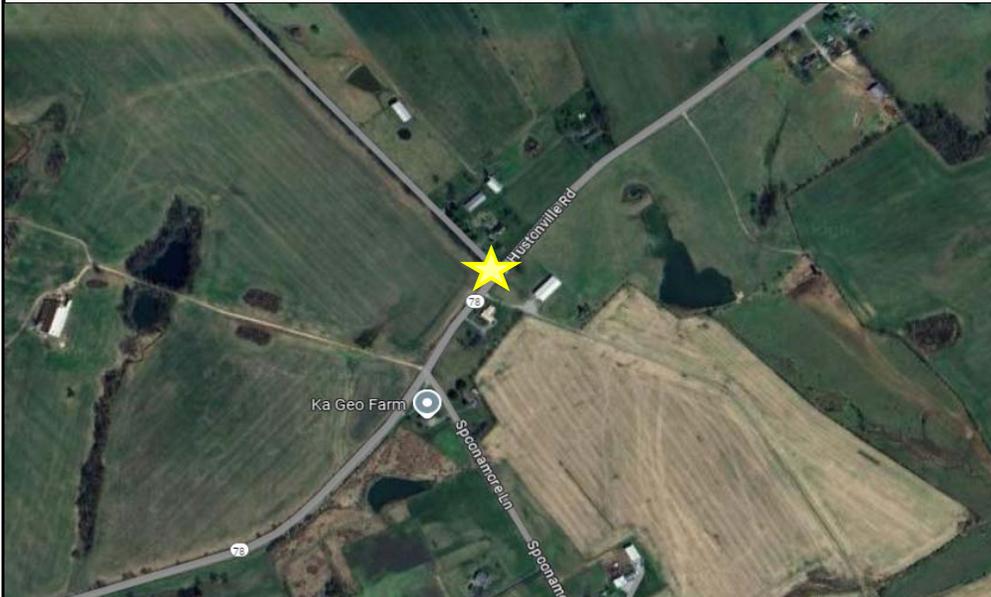
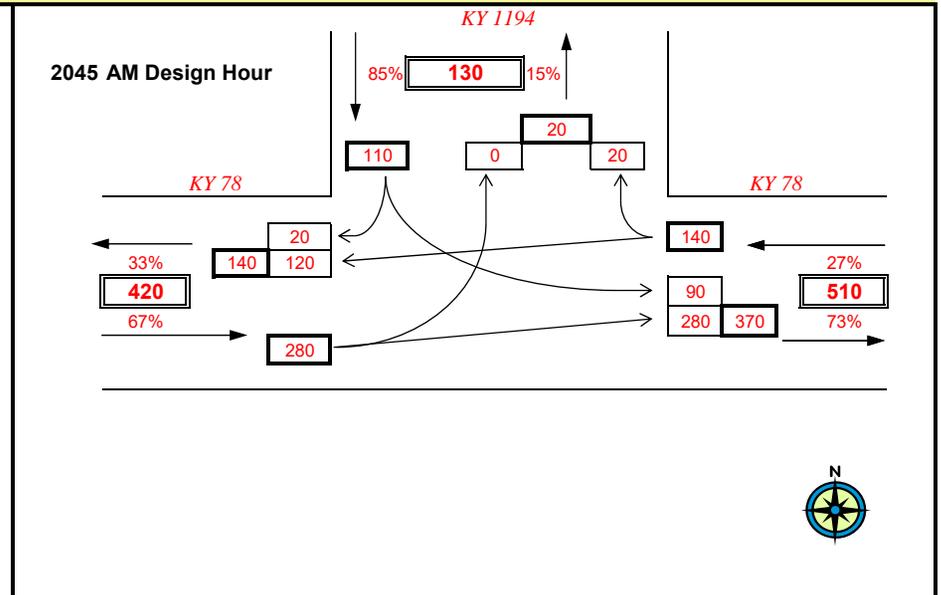
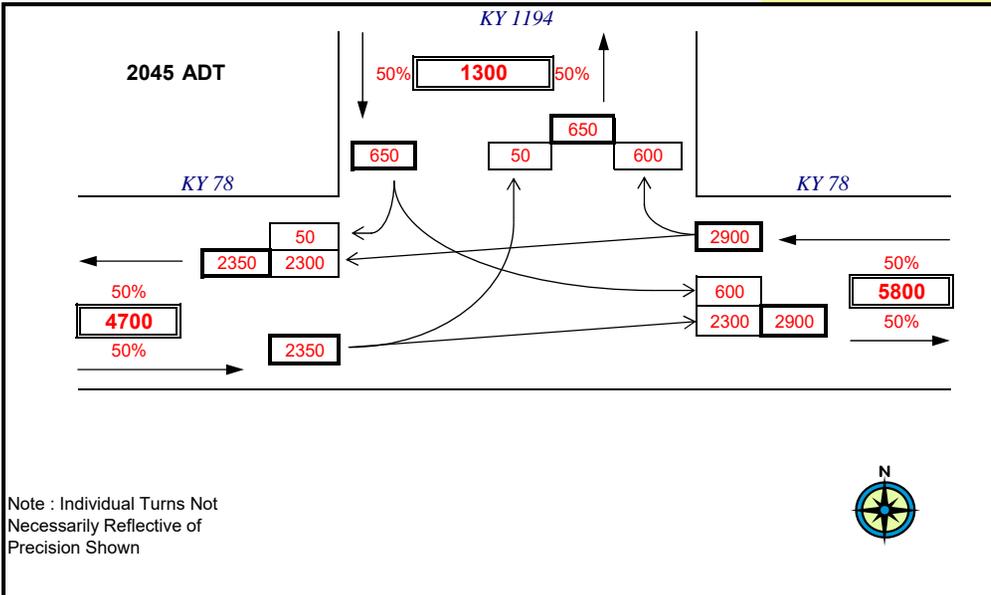


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 78 & KY 1194

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

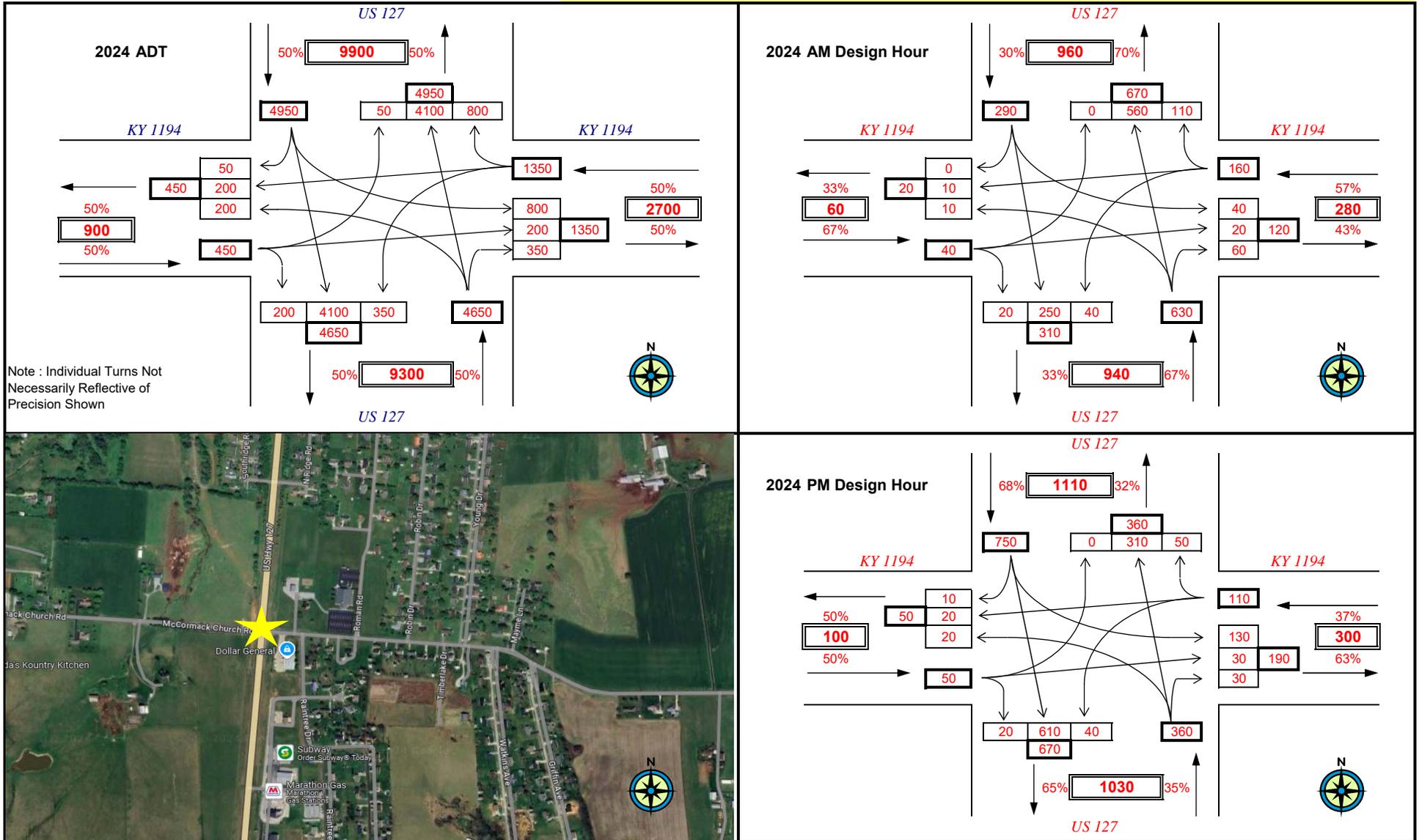


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2024 ADT and Design Hour Volumes
 INTERSECTION: KY 1194 & US 127

NOTE: Directional distributions were determined from a 2024 turning movement count.

TURN MOVEMENT (2024)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



APPENDIX D

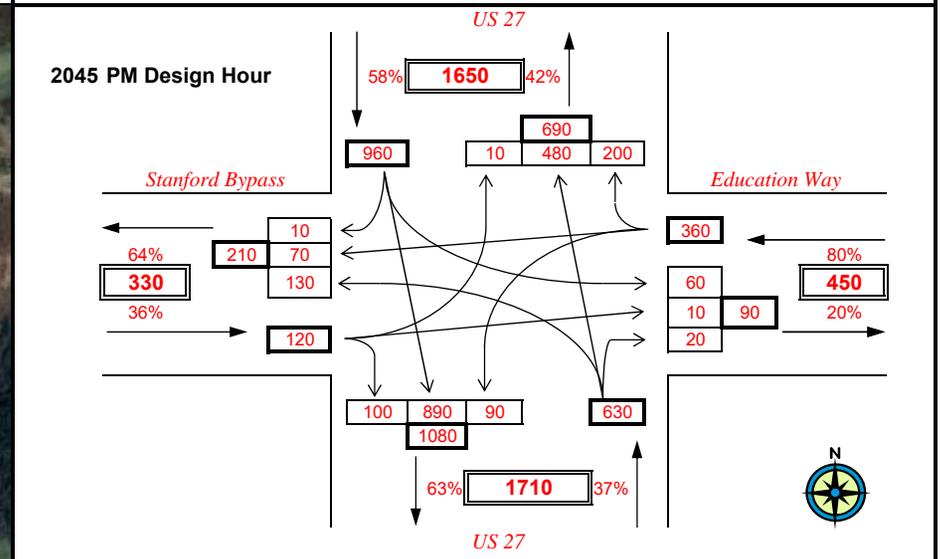
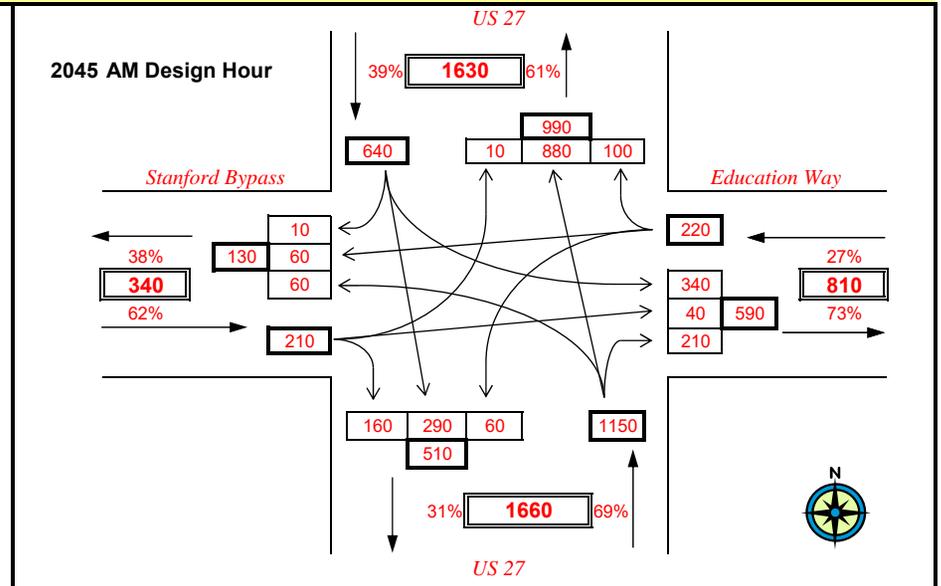
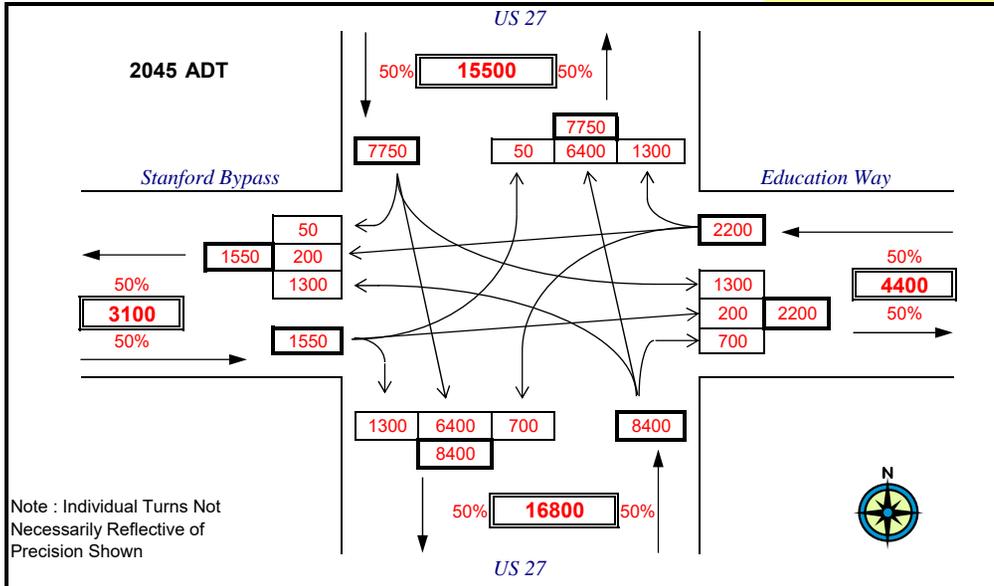
2045 LONG BYPASS FORECAST

PROJECT: KY 1194 Corridor Study Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Education Way

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 1 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

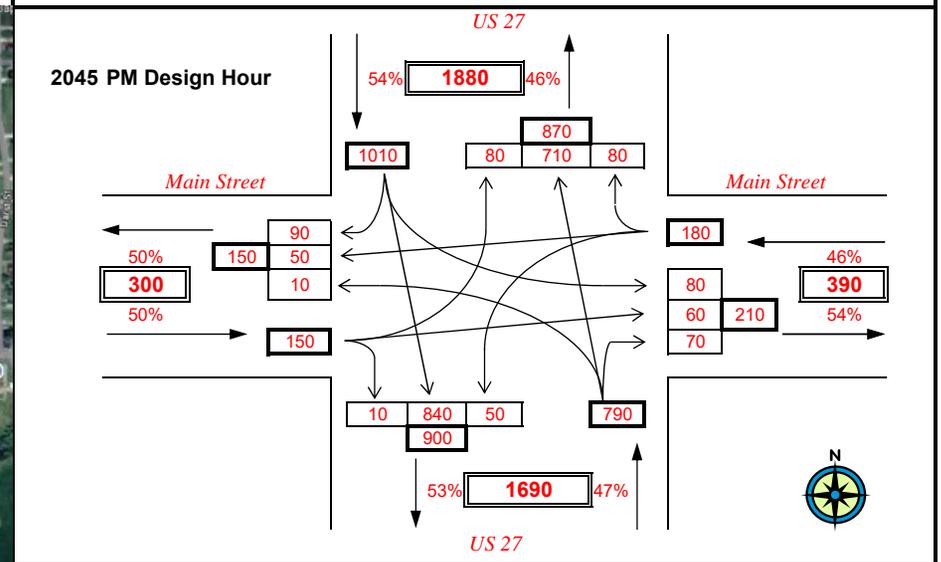
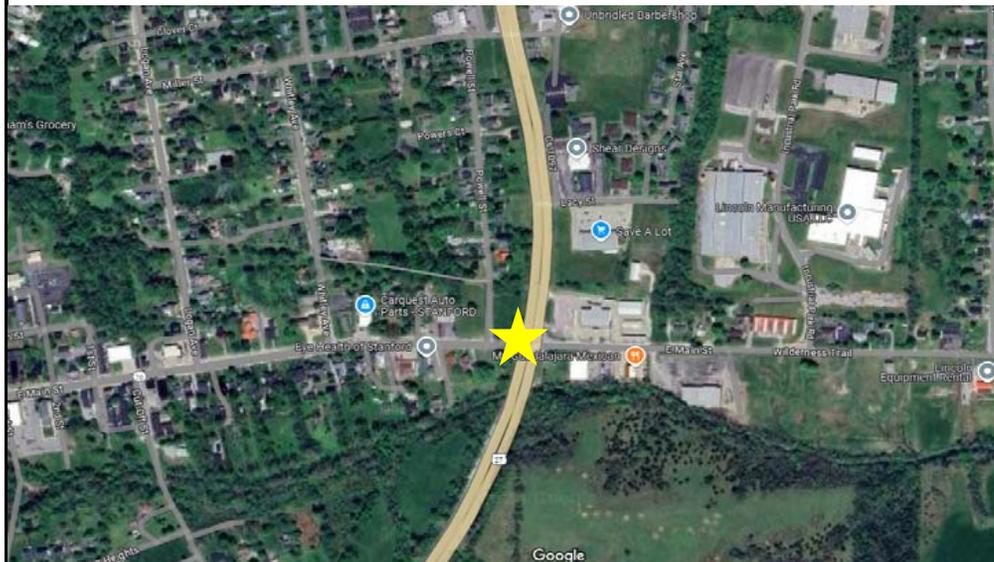
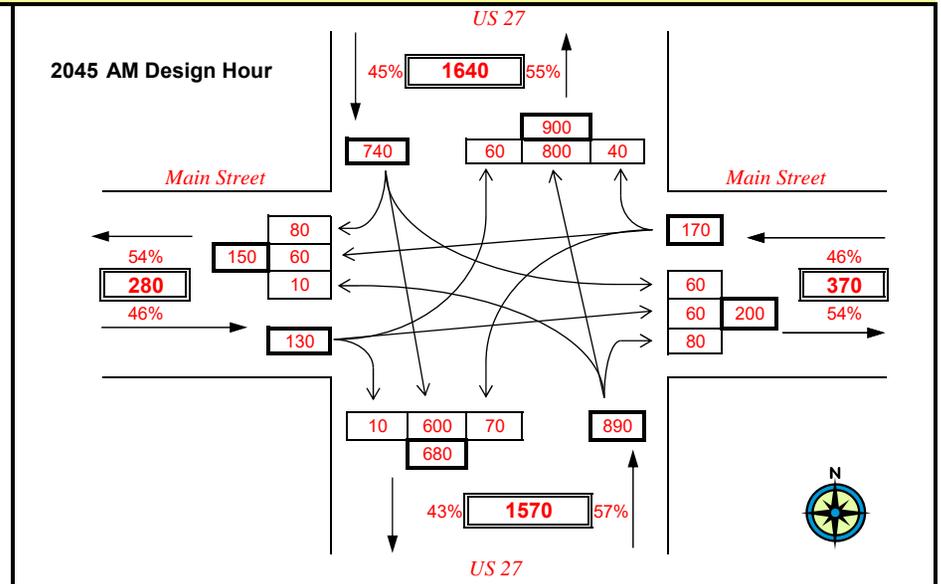
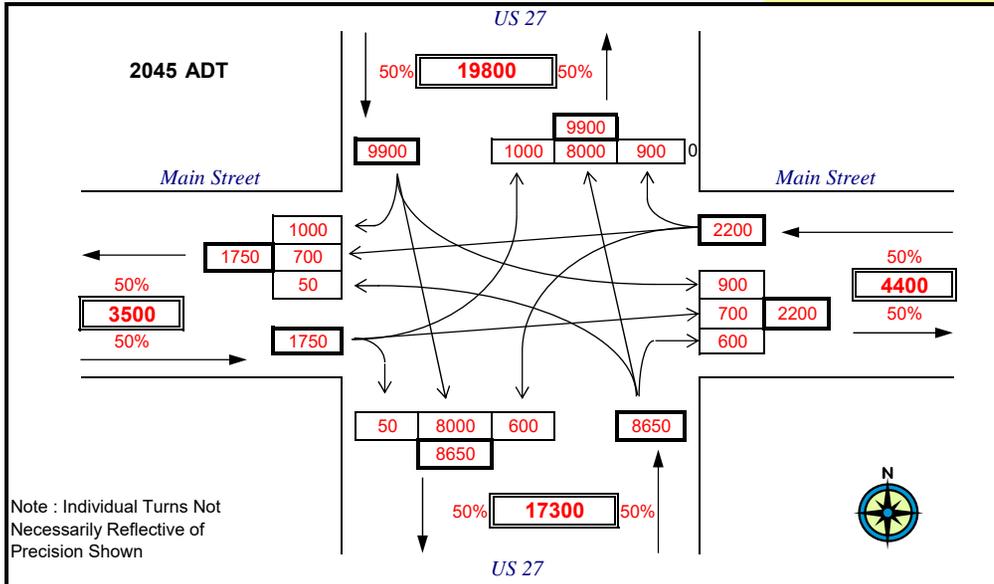


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: US 27 & Main St

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT 2 (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



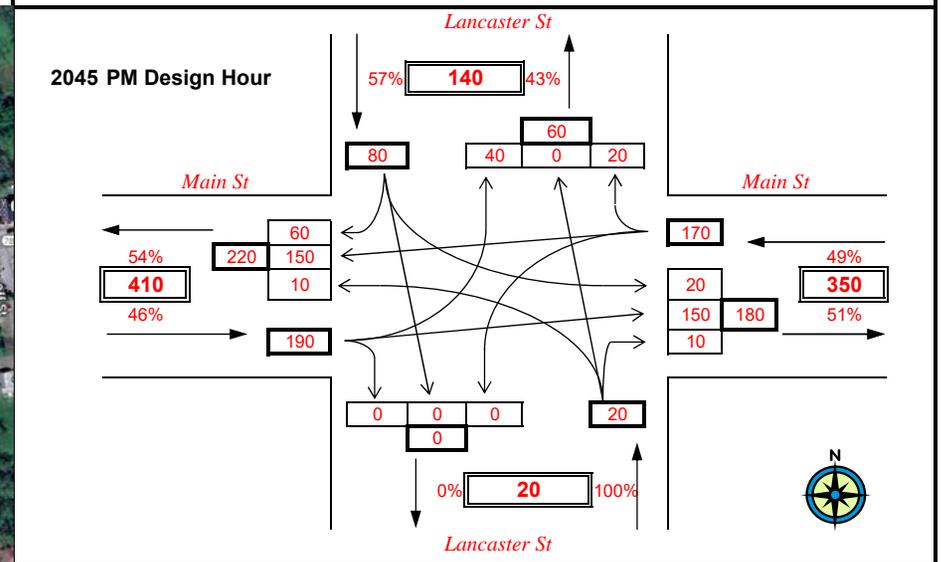
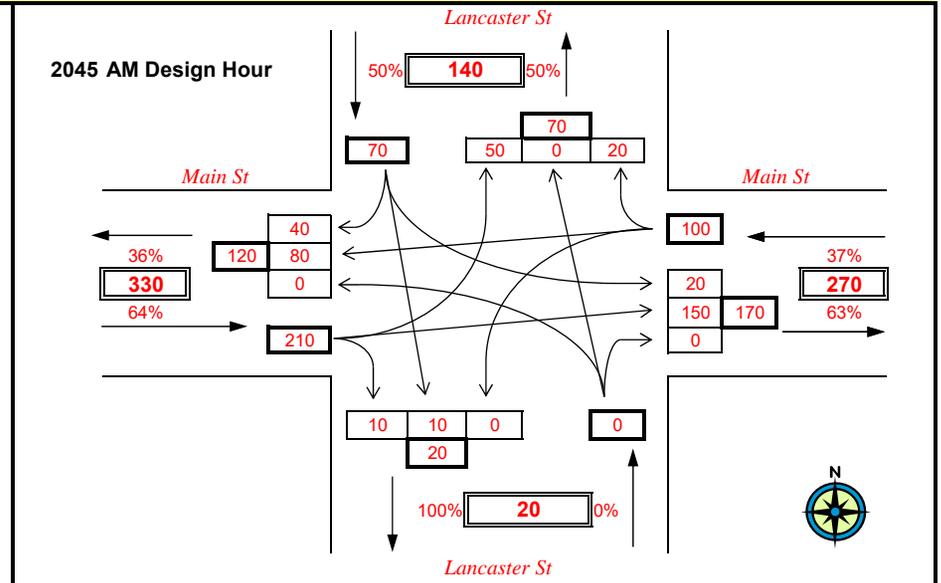
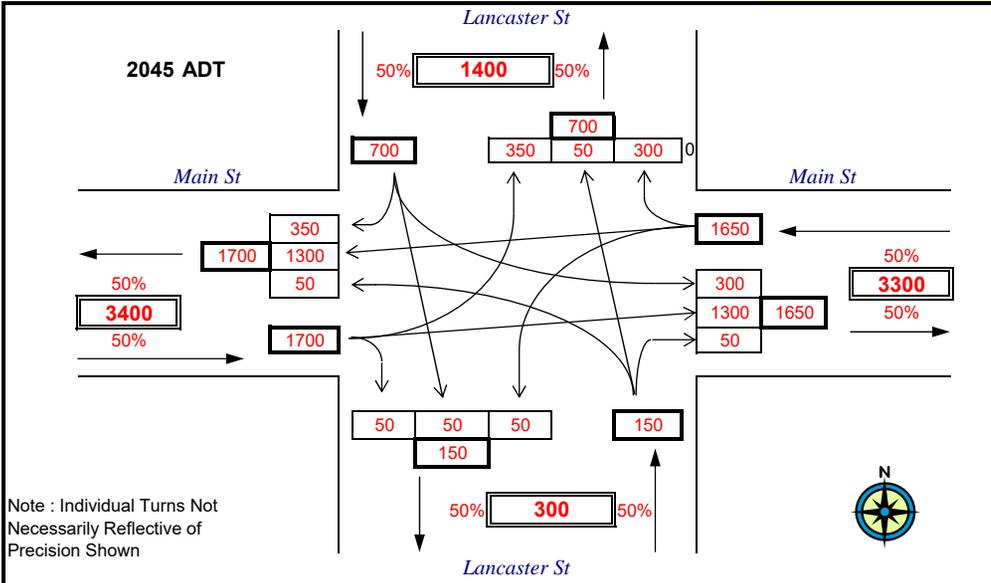
PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0

NOTE: Directional distributions were determined from a calculated turning movement count.

YEAR: **2045** ADT and Design Hour Volumes
 INTERSECTION: Main Street & Lancaster Street

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



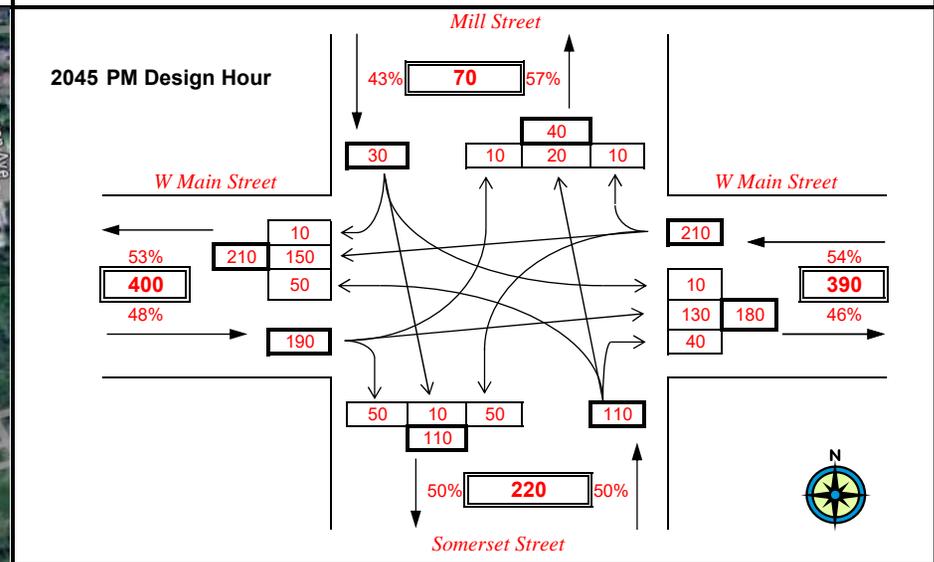
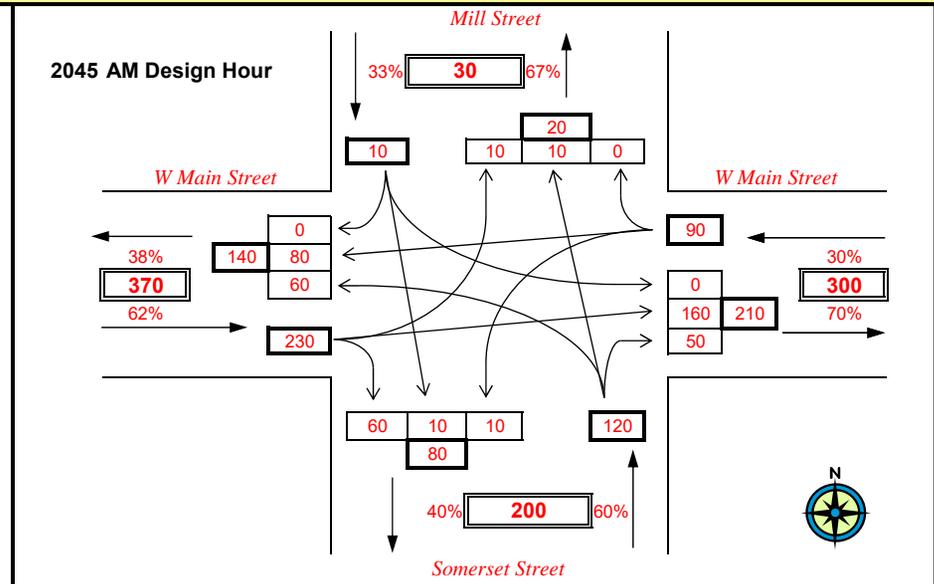
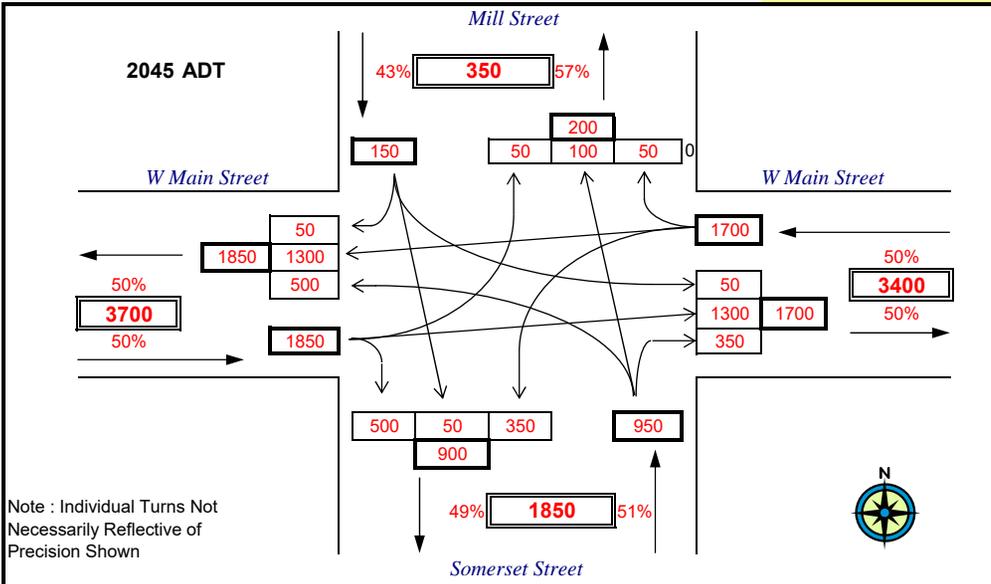
PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0

NOTE: Directional distributions were determined from a calculated turning movement count.

YEAR: **2045** ADT and Design Hour Volumes
 INTERSECTION: Main St & Somerset St

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

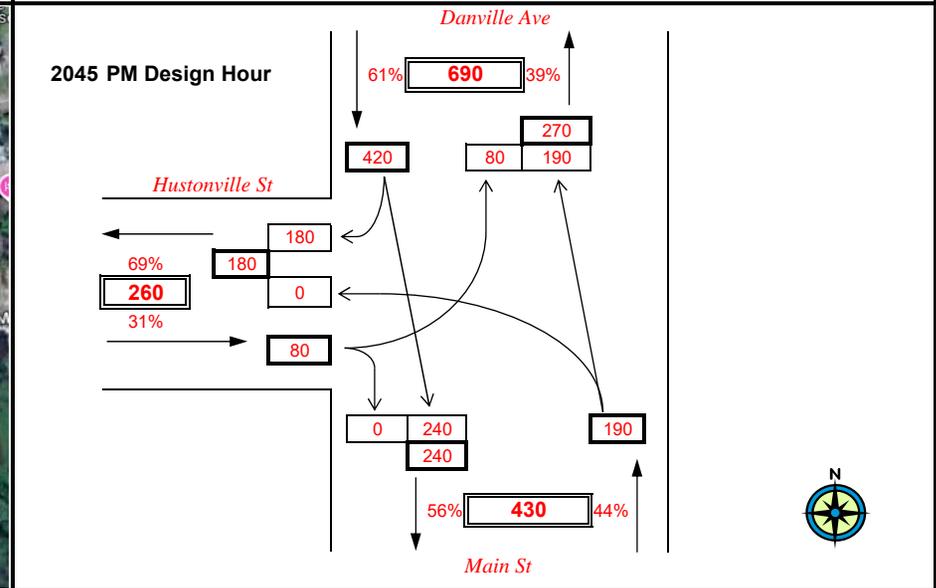
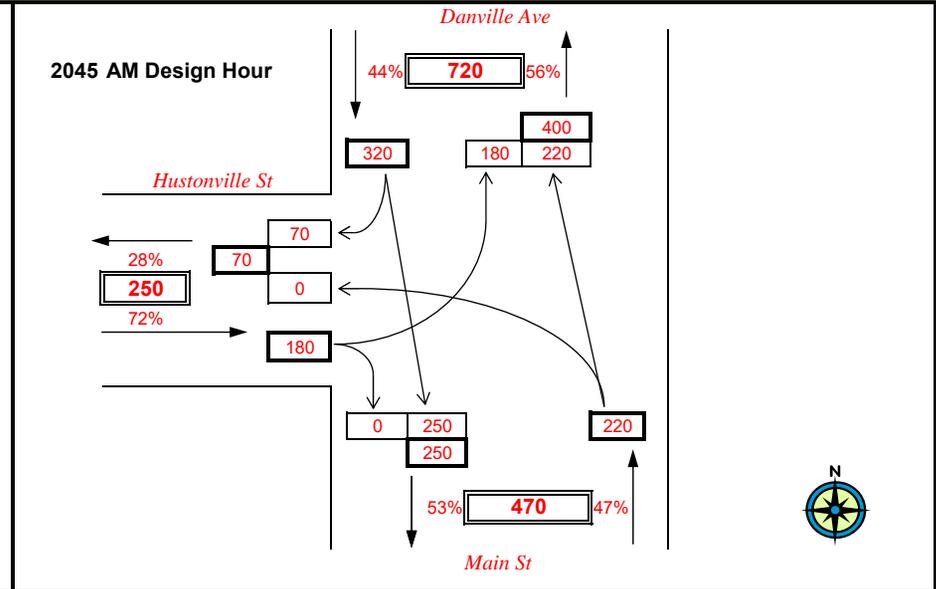
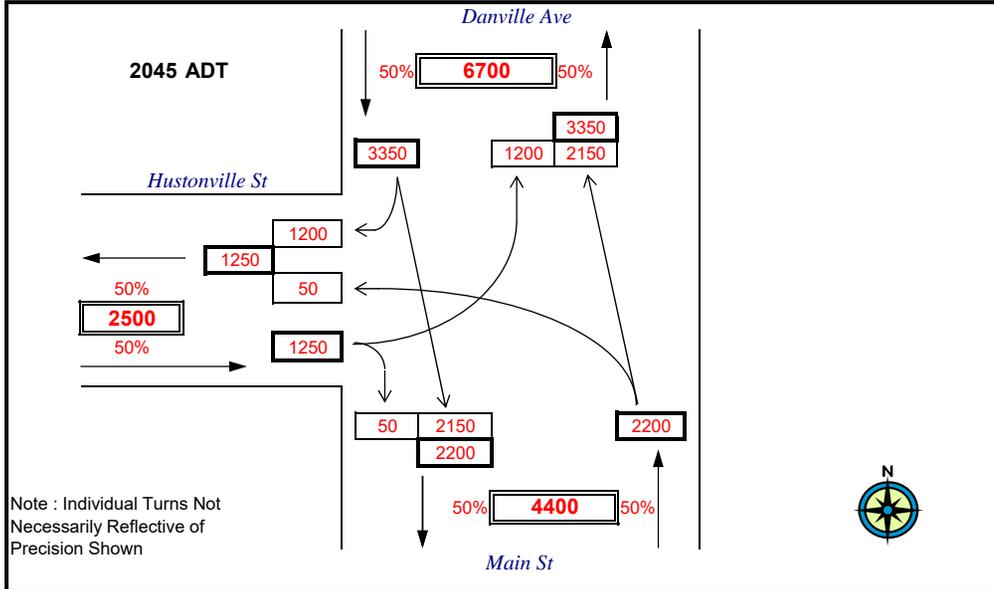


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: Main St & Danville Ave

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

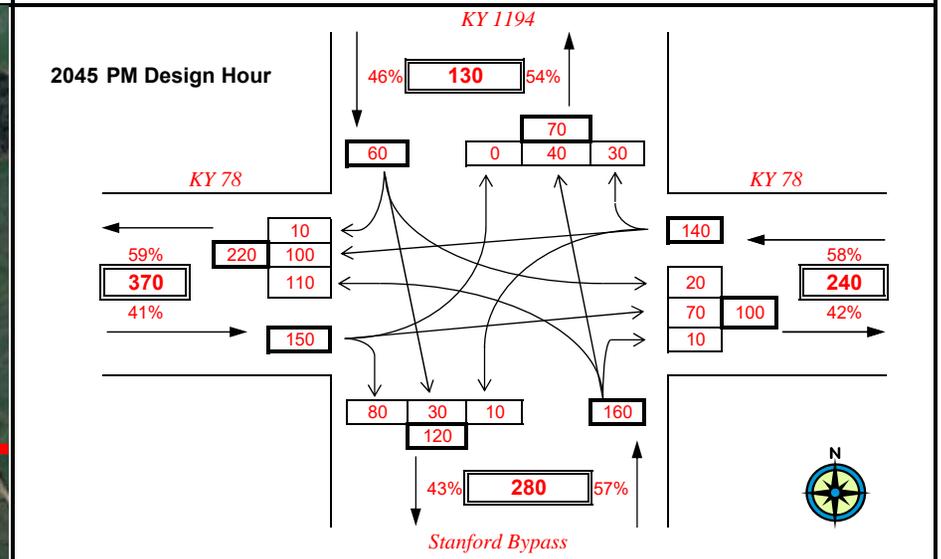
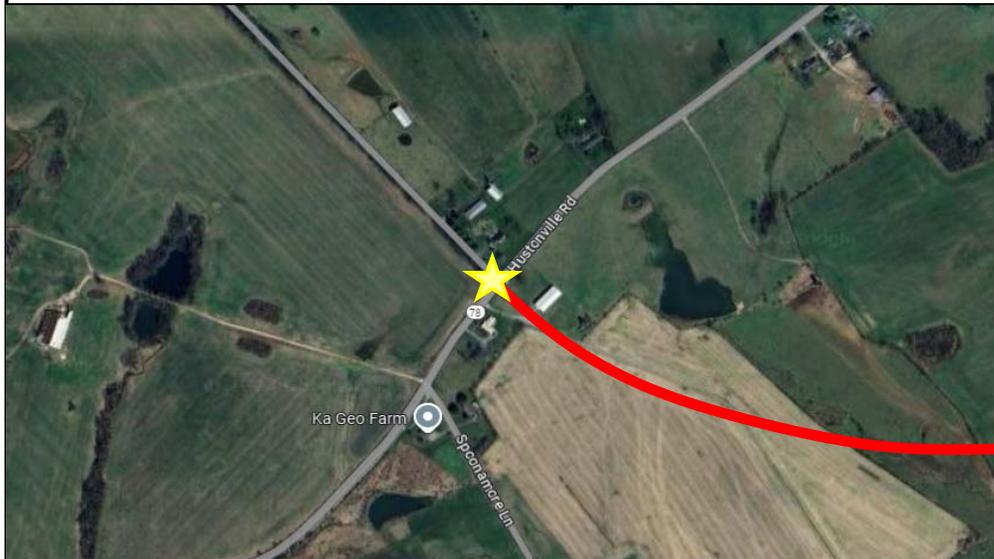
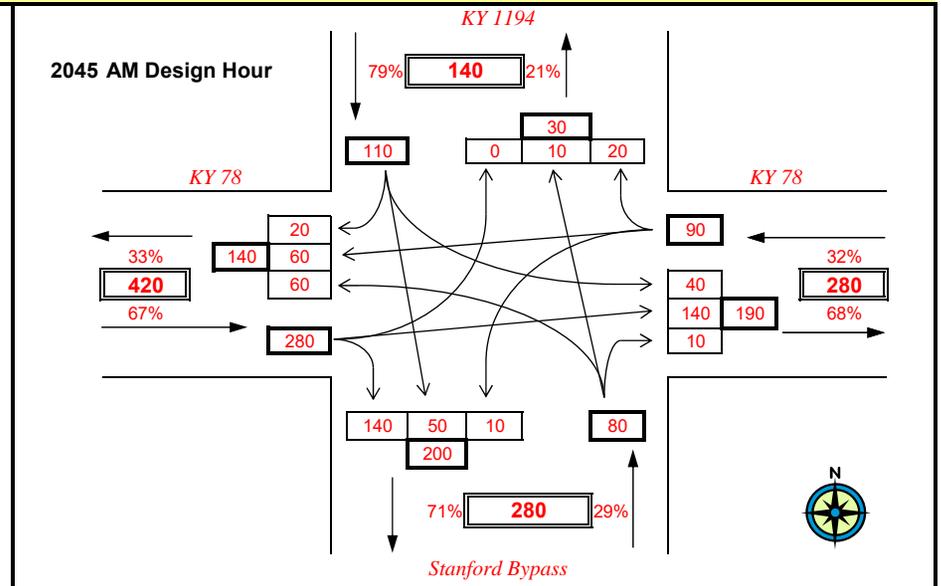
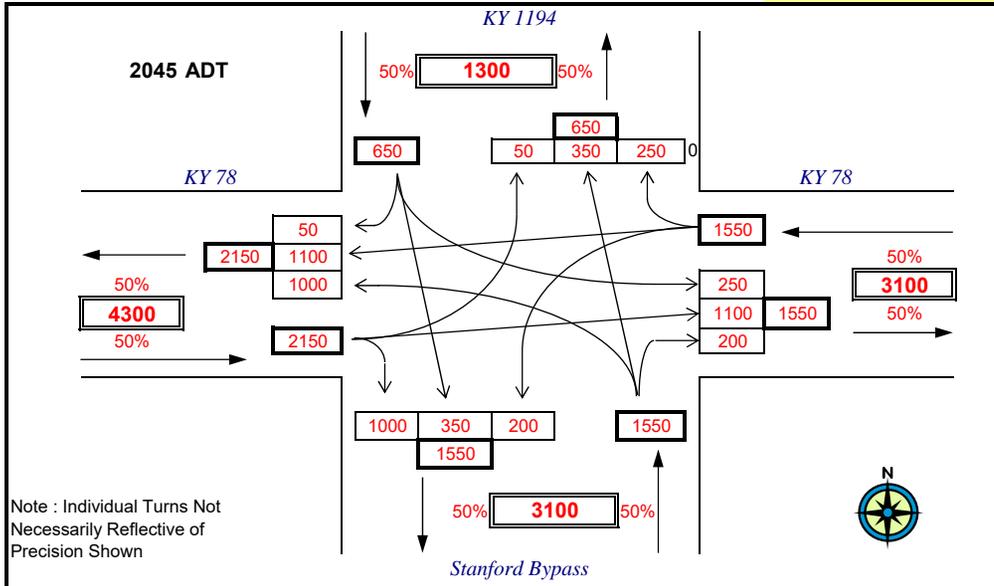


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 78 & KY 1194

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**

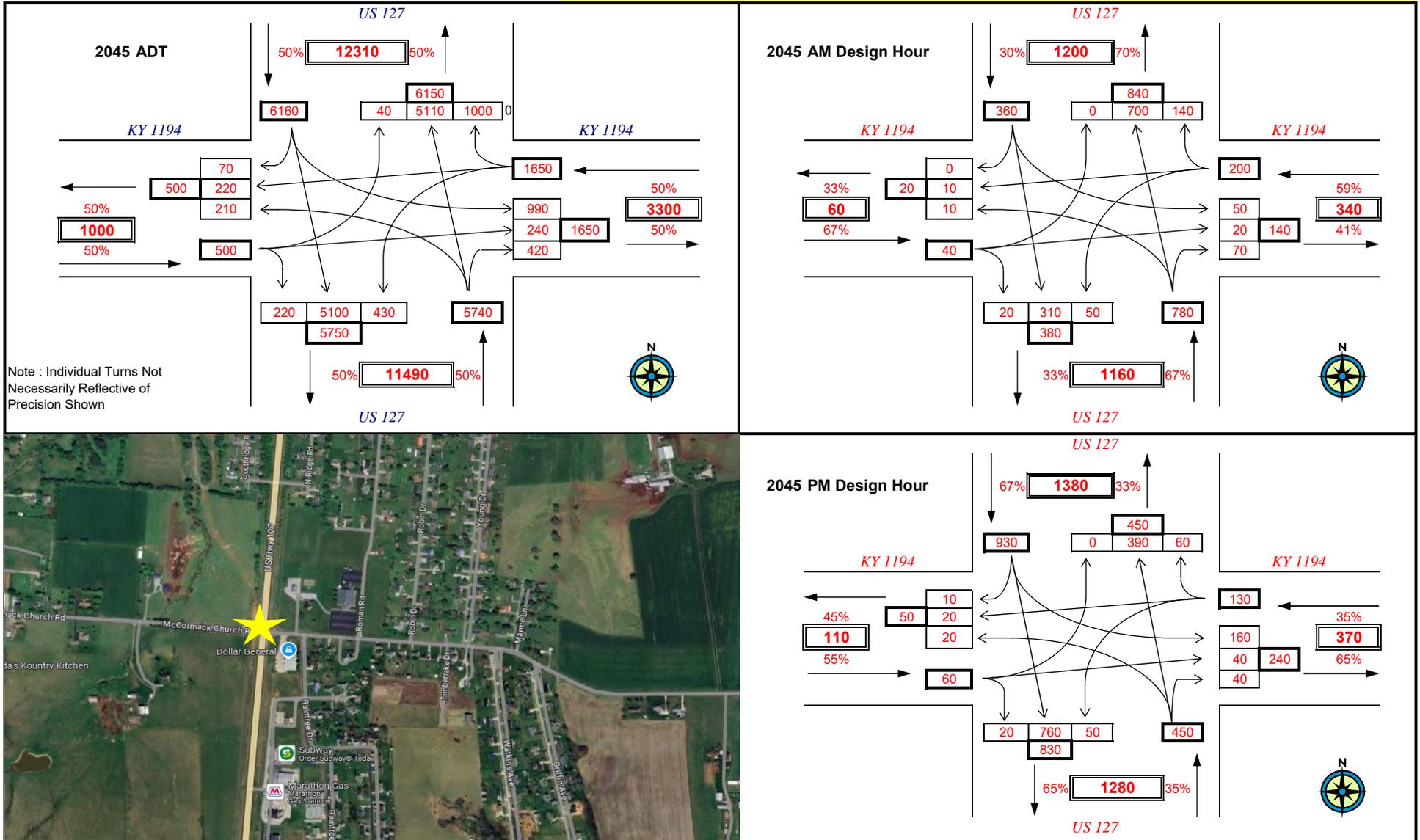


PROJECT: KY 1194 Corridor Study
 ITEM NUMBER: 0
 MARS NUMBER: 0
 REQUEST DATE: Saturday, January 0, 1900
 ANALYST: 0
 YEAR: 2045 ADT and Design Hour Volumes
 INTERSECTION: KY 1194 & US 127

NOTE: Directional distributions were determined from a calculated turning movement count.

TURN MOVEMENT (2045)

****DHV TURN MOVEMENT FORECASTS SHOULD NOT BE USED FOR SIGNAL TIMING OR WARRANT ANALYSIS**



APPENDIX E

TURNING MOVEMENT COUNT DATA

Study Name
Start Date
Start Time
Site Code

AM KY 78 & KY 1194
05/15/2024
7:00 AM

Start Time	KY 1194 Southbound		KY 78 Westbound		KY 78 Eastbound	
	Right	Left	Right	Thru	Thru	Left
7:00 AM	3	12	4	24	30	0
7:15 AM	3	20	4	17	40	0
7:30 AM	6	25	4	17	61	0
7:45 AM	7	12	6	18	36	1
8:00 AM	1	11	6	14	20	3
8:15 AM	1	8	2	13	27	1
8:30 AM	1	7	2	17	16	1
8:45 AM	3	5	0	6	16	1

Study Name
Start Date
Start Time
Site Code

PM KY 78 & KY 1194
05/15/2024
3:00 PM

Start Time	KY 1194 Southbound		KY 78 Westbound		KY 78 Eastbound	
	Right	Left	Right	Thru	Thru	Left
3:00 PM	2	4	7	19	14	2
3:15 PM	2	4	11	31	20	1
3:30 PM	0	4	10	40	16	7
3:45 PM	0	10	14	23	18	4
4:00 PM	1	5	14	27	25	4
4:15 PM	1	11	11	35	21	4
4:30 PM	2	5	18	30	16	0
4:45 PM	1	5	11	23	28	1
5:00 PM	0	12	16	27	14	0
5:15 PM	0	9	15	40	25	1
5:30 PM	2	7	16	34	15	2
5:45 PM	1	7	13	28	12	1

Study Name
Start Date
Start Time
Site Code

AM KY 1194 & US 127
08/21/2024
7:00 AM

Start Time	US 127 Southbound			KY 1194 Westbound			US 127 Northbound			KY 1194 Eastbound		
	Right	Thru	Left									
7:00 AM	1	32	4	25	1	5	6	99	1	5	5	0
7:15 AM	0	54	6	31	0	9	5	144	1	2	5	0
7:30 AM	0	51	3	25	1	6	12	116	2	2	6	0
7:45 AM	2	56	16	16	2	9	15	106	1	6	4	0
8:00 AM	0	44	7	21	4	9	13	75	4	2	4	0
8:15 AM	1	32	9	12	0	3	8	71	2	2	1	1
8:30 AM	0	40	6	16	2	3	3	68	1	3	3	1
8:45 AM	0	36	5	11	2	5	2	73	0	1	0	0

Study Name
 Start Date
 Start Time
 Site Code

PM KY 1194 & US 127
 08/21/2024
 3:00 PM

Start Time	US 127 Southbound			KY 1194 Westbound			US 127 Northbound			KY 1194 Eastbound		
	Right	Thru	Left									
3:00 PM	0	87	13	13	1	13	14	60	2	7	4	1
3:15 PM	2	96	16	9	4	5	5	69	2	5	0	0
3:30 PM	1	97	23	10	3	2	10	82	1	1	5	2
3:45 PM	1	140	24	8	3	11	7	72	9	3	0	1
4:00 PM	0	117	18	15	1	3	4	66	6	1	3	1
4:15 PM	0	132	24	9	5	7	3	66	3	3	2	0
4:30 PM	2	106	29	13	6	8	5	65	4	2	6	0
4:45 PM	1	147	27	7	8	6	7	61	5	6	5	1
5:00 PM	3	111	31	9	2	6	5	59	5	5	8	1
5:15 PM	2	113	27	13	4	11	7	56	7	3	7	0
5:30 PM	2	93	20	16	5	5	6	66	2	6	1	1
5:45 PM	1	88	15	8	6	9	2	49	3	3	3	0

Study Name
Start Date
Start Time
Site Code

AM Main St & Danville Ave
08/21/2024
7:00 AM

Start Time	Danville Ave Southbound		Main St Northbound		Hustonville St Eastbound	
	Right	Thru	Thru	Left	Right	Left
7:00 AM	11	14	24	14	31	13
7:15 AM	9	27	34	7	24	36
7:30 AM	16	40	34	19	34	37
7:45 AM	12	60	57	19	39	35
8:00 AM	10	56	30	9	19	22
8:15 AM	2	21	22	18	17	17
8:30 AM	13	24	30	7	19	15
8:45 AM	7	25	22	13	17	13

Study Name
Start Date
Start Time
Site Code

PM Main St & Danville Ave
08/21/2024
3:00 PM

Start Time	Danville Ave Southbound		Main St Northbound		Hustonville St Eastbound	
	Right	Thru	Thru	Left	Right	Left
3:00 PM	16	33	24	19	22	13
3:15 PM	17	31	37	37	12	11
3:30 PM	15	47	59	31	22	17
3:45 PM	28	39	20	19	20	15
4:00 PM	33	32	15	37	25	10
4:15 PM	30	49	28	27	24	17
4:30 PM	34	33	15	28	20	14
4:45 PM	28	37	28	18	17	11
5:00 PM	32	37	28	23	26	9
5:15 PM	32	39	19	20	25	15
5:30 PM	39	25	19	33	19	20
5:45 PM	19	25	15	28	25	11

Study Name
Start Date
Start Time
Site Code

AM Main St & Lancaster St
08/21/2024
7:00 AM

Start Time	Lancaster St Southbound			Main St Westbound			Lancaster St Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
7:00 AM	2	1	1	1	11	0	0	0	0	0	24	3
7:15 AM	5	0	1	4	13	1	0	0	0	1	24	6
7:30 AM	6	0	3	6	17	0	0	0	0	1	31	5
7:45 AM	5	1	2	4	23	1	0	0	1	0	48	11
8:00 AM	7	0	4	4	18	1	1	0	0	2	34	8
8:15 AM	7	2	1	4	19	0	0	0	0	0	26	3
8:30 AM	4	2	6	5	13	0	0	1	0	2	23	9
8:45 AM	2	1	2	4	18	1	0	1	0	1	22	4

Study Name
 Start Date
 Start Time
 Site Code

PM Main St & Lancaster St
 08/21/2024
 3:00 PM

Start Time	Lancaster St Southbound			Main St Westbound			Lancaster St Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
3:00 PM	3	0	5	3	21	1	0	0	0	0	27	1
3:15 PM	6	0	4	0	44	0	3	0	2	0	22	5
3:30 PM	4	0	8	3	39	0	0	0	0	1	43	3
3:45 PM	10	0	4	3	28	1	1	0	0	1	29	6
4:00 PM	11	0	5	6	25	0	2	1	2	0	31	7
4:15 PM	13	1	1	2	35	0	4	0	2	2	30	4
4:30 PM	13	2	6	5	27	1	0	1	0	1	30	5
4:45 PM	6	0	5	3	17	0	1	1	3	0	26	4
5:00 PM	6	0	6	2	28	1	2	4	2	1	32	4
5:15 PM	10	0	5	2	22	0	0	0	1	0	32	5
5:30 PM	7	0	2	3	29	0	1	3	0	0	32	5
5:45 PM	17	0	5	2	19	0	0	0	0	0	26	5

Study Name
Start Date
Start Time
Site Code

AM Main St & Somerset St
05/15/2024
7:00 AM

Start Time	Mill St Southbound			Main St Westbound			Somerset St Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
7:00 AM	1	0	0	0	19	1	4	1	24	16	19	0
7:15 AM	0	1	0	0	18	2	3	0	28	20	27	0
7:30 AM	0	3	0	0	12	4	3	0	33	47	34	1
7:45 AM	0	2	0	0	30	3	10	3	51	64	52	0
8:00 AM	0	3	0	1	13	3	8	4	33	21	32	2
8:15 AM	0	1	1	0	17	2	8	2	18	15	23	1
8:30 AM	0	0	0	0	17	5	5	1	22	9	30	1
8:45 AM	0	0	0	1	18	3	6	2	18	11	19	1

Study Name
 Start Date
 Start Time
 Site Code

PM Main St & Somerset St
 05/15/2024
 3:00 PM

Start Time	Mill St Southbound			Main St Westbound			Somerset St Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
3:00 PM	2	2	0	0	19	5	5	2	23	23	27	0
3:15 PM	2	2	2	1	37	8	6	4	41	17	27	2
3:30 PM	3	1	2	2	39	6	10	3	45	28	29	1
3:45 PM	2	0	1	2	24	9	6	4	19	35	27	2
4:00 PM	1	3	1	1	33	8	4	3	9	26	29	1
4:15 PM	1	0	0	0	22	5	6	2	15	34	34	0
4:30 PM	1	1	1	2	20	8	3	1	15	29	19	0
4:45 PM	0	1	0	0	32	4	5	0	15	22	20	1
5:00 PM	3	2	1	0	36	5	6	1	19	49	31	0
5:15 PM	1	1	0	0	34	5	3	2	20	32	31	1
5:30 PM	3	0	1	0	27	8	6	2	19	27	30	1
5:45 PM	3	0	0	0	27	5	6	2	16	19	26	0

Study Name
 Start Date
 Start Time
 Site Code

AM US 27 & Education Way
 05/15/2024
 7:00 AM

Start Time	US 27 Southbound			Education Way Westbound			US 27 Northbound			Baughman Ave Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
7:00 AM	0	64	2	1	1	0	4	133	0	0	0	1
7:15 AM	0	69	29	4	0	1	22	145	0	0	0	1
7:30 AM	0	77	81	14	0	3	62	196	0	0	0	0
7:45 AM	0	77	131	54	0	23	55	157	0	0	0	0
8:00 AM	0	77	27	35	0	15	8	141	0	0	0	0
8:15 AM	0	72	7	11	0	2	4	122	0	0	0	0
8:30 AM	0	78	4	3	0	3	0	135	0	0	0	0
8:45 AM	0	64	2	9	0	2	2	94	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	1	0	0	0	0

Study Name
 Start Date
 Start Time
 Site Code

US 27 & Main St
 05/15/2024
 7:00 AM

Start Time	US 27 Southbound			Main St Westbound			US 27 Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
7:00 AM	9	52	2	6	6	3	7	100	3	1	7	9
7:15 AM	9	81	10	3	6	6	11	114	3	4	6	10
7:30 AM	5	146	7	8	13	20	10	126	7	11	9	9
7:45 AM	16	129	14	7	8	23	22	169	13	16	13	11
8:00 AM	11	59	15	8	10	4	14	136	11	3	13	11
8:15 AM	12	57	7	7	9	4	4	109	7	6	5	5
8:30 AM	18	70	8	8	5	2	11	113	4	4	2	8
8:45 AM	9	58	3	6	10	3	6	81	4	3	2	6
9:00 AM	11	50	5	5	8	4	3	93	7	2	10	10
9:15 AM	15	55	5	12	7	4	1	97	5	5	6	11
9:30 AM	12	53	7	8	8	2	6	99	2	3	6	12
9:45 AM	2	66	10	10	8	3	5	92	6	6	6	16
10:00 AM	9	62	6	12	10	5	4	63	6	4	7	11
10:15 AM	17	47	12	7	12	2	4	81	4	6	10	18
10:30 AM	13	67	15	8	9	6	9	75	4	1	6	12
10:45 AM	15	60	12	6	7	4	1	78	5	1	3	18
11:00 AM	14	67	13	13	8	1	1	78	5	5	2	12
11:15 AM	20	76	8	6	12	2	8	94	1	5	8	12
11:30 AM	12	82	17	10	11	7	11	68	2	7	8	11
11:45 AM	16	83	13	16	8	5	7	92	6	5	9	13
12:00 PM	11	90	14	18	9	8	4	72	7	4	13	10
12:15 PM	10	74	12	11	9	1	9	84	4	5	6	18
12:30 PM	15	79	14	17	6	7	6	82	3	6	14	16
12:45 PM	18	94	9	8	8	7	9	86	5	9	15	15

Study Name
 Start Date
 Start Time
 Site Code

US 27 & Main St
 05/15/2024
 1:00 PM

Start Time	US 27 Southbound			Main St Westbound			US 27 Northbound			Main St Eastbound		
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left
1:00 PM	6	96	17	12	3	9	12	123	9	7	8	19
1:15 PM	10	89	14	19	7	4	10	110	4	4	10	10
1:30 PM	13	77	20	13	9	1	6	90	0	7	8	14
1:45 PM	19	83	11	8	6	7	8	85	3	8	10	11
2:00 PM	12	93	16	38	7	14	6	66	4	4	6	14
2:15 PM	12	113	18	10	4	9	3	74	10	4	10	20
2:30 PM	11	107	9	13	4	10	4	83	5	8	7	13
2:45 PM	16	137	14	14	7	8	2	67	5	8	6	13
3:00 PM	13	125	13	11	6	7	5	82	6	12	11	12
3:15 PM	11	117	11	8	6	6	17	114	30	9	12	13
3:30 PM	12	113	7	15	9	9	17	166	9	9	11	12
3:45 PM	9	137	9	10	9	8	10	114	2	4	12	13
4:00 PM	17	136	13	16	11	9	10	94	9	6	8	10
4:15 PM	13	144	11	9	7	5	12	84	5	2	11	17
4:30 PM	14	139	8	21	11	10	5	93	1	6	12	15
4:45 PM	21	147	17	7	7	5	9	85	1	5	8	14
5:00 PM	14	150	4	20	7	13	8	102	1	8	16	13
5:15 PM	20	168	15	10	12	9	7	93	1	2	12	11
5:30 PM	14	134	11	4	6	11	13	83	3	4	8	20
5:45 PM	14	139	8	6	10	14	6	75	7	0	8	12
6:00 PM	8	99	9	8	7	8	9	94	3	0	6	9
6:15 PM	5	106	9	2	9	8	8	81	2	1	9	8
6:30 PM	9	89	9	9	7	6	6	93	1	1	6	8
6:45 PM	15	64	4	2	3	1	2	53	2	1	4	10