Technical Memorandum

Revised: March 19, 2023
Date: May 12, 2020
To: Sonya LaGrand
From: Nate Rahaim
Project: Pavement and Rehabilitation Design Services
RE: Memorial Drive Before and After Study
CC: Peter Haag, Mir Wahed, Joanne Arellano, Jess Butterly

The purpose of this technical memorandum is to review the traffic and safety impacts along Memorial Drive from the US Route 13 intersection to the Delaware Route 9 intersection before and after implementation of the road diet. Memorial Drive was converted from a four-lane section roadway to a two-lane section as part of the *Pavement and Rehabilitation North, 2019 project (DelDOT Contract No. T201806201).* The road diet was implemented on October 18, 2019. An initial after study was performed approximately four months after implementation, and was submitted in May 2020. Based on a follow up request from DelDOT, the previous memorandum was revised to expand the after study to encompass up to October 2022. This document will summarize before and after results of the road diet installation based on travel time, spot speed, traffic analysis, and crash evaluation.

This updated memorandum found that after the road diet was implemented, the travel speeds decreased along the corridor while traffic capacity was maintained. However, there was an increase in crash incidents after the road diet was implemented due to through vehicles improperly passing turning traffic waiting for a sufficient gap. Currently, DelDOT Planning, Project Development, and WILMAPCO are revisiting the *The Route 9 Corridor* report to coordinate and establish future improvements along Memorial Drive. As an interim improvement, WATCH FOR TURNING TRAFFIC signage will be installed at the Memorial Drive intersections where these increases in crashes are occurring including Karlyn Drive, Parma Avenue, Bizarre Drive, and Lind Avenue. A signing plan is included in Appendix A depicting the locations of this additional signage.

Background

Memorial Drive is classified as a minor arterial roadway with an AADT of approximately 9,000 vehicles per day and a posted speed limit of 35 miles per hour. Memorial Drive is divided by a concrete median, terminates to the east with its intersection with Delaware Route 9 and terminates to the west with its intersection with US Route 13. Prior to the road diet, within this segment, Memorial Drive was a four-lane roadway. The study area is surrounded primarily by residential uses and four roadways (Lind Avenue, Bizarre Drive, Karlyn Drive, and Parma Avenue) intersect with Memorial Drive to form five unsignalized intersections (Karlyn Drive intersects with Memorial Drive twice). DART Bus Route 14 also traverses along the roadway and has stops at each of those unsignalized intersections. Driveways to single family homes, on-street parking, and sidewalks exist along both sides of the roadway.

Per the *The Route 9 Corridor* report prepared by WILMAPCO, the preferred alternative for the corridor was the provision of one travel lane in each direction with a shared two-way left turn lane implemented with the

removal of the concrete median and relocation of utilities. It was noted at the time of the report that full implementation would be restricted by the current available funding. In the intermediate, as part of the Memorial Drive Pavement and Rehabilitation design service, DelDOT implemented a road diet which converted the roadway from a four-lane section to a two-lane section to improve safety for pedestrians seeking to cross the street as well as a five-foot bike lane and nine-foot curbside parking in each direction. Figure 1 below shows a before and after comparison of the roadway layout for the segment of Memorial Drive between Karlyn Drive and Parma Avenue. The Before and After study has been conducted to evaluate the operational and safety impacts of the road diet. The before study results contained in this memorandum are taken from the June 18, 2018 Memorial Drive Technical Memorandum prepared by JMT.

Figure 1: Aerial Before and After Road Diet

Capacity Analysis Methodology

Traffic observations along the corridor were conducted on Tuesday, May 7, 2019 which was prior to the construction of the road diet and during a typical weekday morning, afternoon and evening peak period when all schools were in session. The maximum queue lengths along each approach at the study intersections from the May 7, 2019 observations were compared to the queue results from the June 18, 2018 Memorial Drive Traffic Study Technical Memorandum and were found to be consistent with each other. As such, the before study results are from the June 18, 2018 Memorial Drive Traffic Study Technical Memorandum.

Traffic count and observations for the after study were originally conducted on Thursday, January 16, 2020 which was after the completion of the road diet construction and during a typical weekday morning, afternoon and evening peak period when all schools were in session. Data and traffic observations were collected during the afternoon peak period as this is the time period when schools in the area are dismissed. Figures summarizing the volumes utilized in the before and after study are included in Appendix B. Additional after data and observations were collected in October 2022 during the AM and PM peak hours to determine if the volume pattern had changed since 2020. As the 2022 data generally showed lower traffic volumes than the 2020 data, the after study utilizes the traffic counts and queue observations from the 2020 data collection efforts.

It should be noted that the Delaware Route 9/Halcyon Drive intersection was closed due to construction during the January 2020 traffic counts with traffic detoured to utilize the Memorial Drive/Lind Avenue intersection to access Halcyon Drive. As such, the traffic volumes marked by an asterisk were based on the volumes from the June 18, 2018 Memorial Drive Traffic Study Technical Memorandum. Furthermore, at the time of this report the 2022 volumes for the Delaware Route 9 intersection are not finalized due to an equipment malfunction.

Synchro software was utilized to conduct the traffic analysis. Appendix C summarizes the AM and PM peak hour delay and queue results for before and after implementation of the road diet. The afternoon peak period was not analyzed as the PM peak period contained higher volumes.

During the AM and PM peak periods the study intersections operate at acceptable Level of Service (LOS) C or better before implementation of the road diet and at acceptable LOS D or better after implementation of the road diet. Queue lengths at the unsignalized intersections are minimal before and after construction. Specifically, the calculated 95th percentile queue lengths along the minor streets are approximately 20 feet before implementation and approximately 30 feet after implementation. Please see Appendix C for additional information. The queue tables within Appendix C also include a comparison between the observed queues from field observations and the calculated queues from the Synchro results. Based on the comparison, most of the observed queues at the unsignalized intersections were found to be longer than the calculated queues but were noted to dissipate quickly without impacting operations along any adjacent intersections.

At the signalized intersection of US Route 13 with Memorial Drive, the calculated 95th percentile queue lengths are comparable between the before and after implementation conditions. However, at the signalized intersection of Delaware Route 9 with Memorial Drive, queue lengths were increased along the eastbound and westbound Memorial Drive left turn/through lanes as well as along the northbound Delaware Route 9 left turn lane. These increases were also consistent with the observed queue lengths. The increased queue length along the northbound Delaware Route 9 left turn lane could be accommodated within the provided storage length and the increased queue length along the eastbound Memorial Drive left turn/through lane would not spillback onto the Lind Avenue intersection. The increased queue length along the westbound Memorial Drive left turn/through lane would spillback past the motel entrance.

Travel Time Study

JMT collected travel times along the Memorial Drive corridor, from US Route 13 to the Delaware Route 9 intersections in each direction during the weekday morning, afternoon, and evening peak periods. Table 1 summarizes the travel times for before and after implementation of the road diet. The before implementation travel times were collected on Tuesday, May 7, 2019 and the after-implementation travel times were collected on Thursday, January 9, 2020 and Thursday, January 16, 2020. Additional data was collected in October 2022. Schools were in session during the data collection.

Table 1: Travel Time Results

Direction	Beginning Intersection	Ending Intersection	Peak Period	Before Road Diet (sec)	2020 After Road Diet (sec)	2022 After Road Diet (sec)
Eastbound	Memorial Drive/ Delaware Route 9	Memorial Drive/ US Route 13	AM	98	104	99
			Afternoon	95	102	93
			PM	96	105	87
			Average	96	104	93
Westbound	Memorial Drive/ US Route 13	Memorial Drive/ Delaware Route 9	AM	98	103	126*
			Afternoon	98	103	96
			PM	99	102	83
			Average	98	103	102

*The increase in the 2022 AM travel time for the westbound direction is attributed to a pause for a school crossing guard.

Speed Study

JMT conducted a spot speed study along eastbound and westbound Memorial Drive in accordance with the Institute of Transportation Engineers (ITE) standards for before and after implementation of the road diet. The spot speed study was performed at one location between the Parma Avenue and Karlyn Drive intersections utilizing ATR (Automatic Traffic Recorder) devices. The posted speed limit along this section of roadway is 35 miles per hour. Table 2 below summarizes the speed study findings.

Table 2: Speed Study Results

	2019 Before Road Diet	2022 After Road Diet
Speed Limit	35 MPH	
50th Percentile Speed	37 MPH	35 MPH
85th Percentile Speed	45 MPH	40 MPH

The before study was based on data collected from Tuesday, May 7, 2019 to Friday, May 17, 2019 during the hours of 10:00 a.m. to 2:00 p.m. when traffic was more free flowing. Based on the data, the 85th percentile speed before implementation of the road diet was 45 miles per hour. Data was attempted to be collected in 2020, however equipment malfunctioned, and given that COVID 19 was causing impacts to traffic patterns it was decided that data would be collected at a later date upon request. Data from September 28 to October 1, 2022 found that the 85th percentile speed has reduced to 40 MPH, a 10% reduction from before road diet conditions.

NCHRP 562 - Midblock Crossing Evaluation

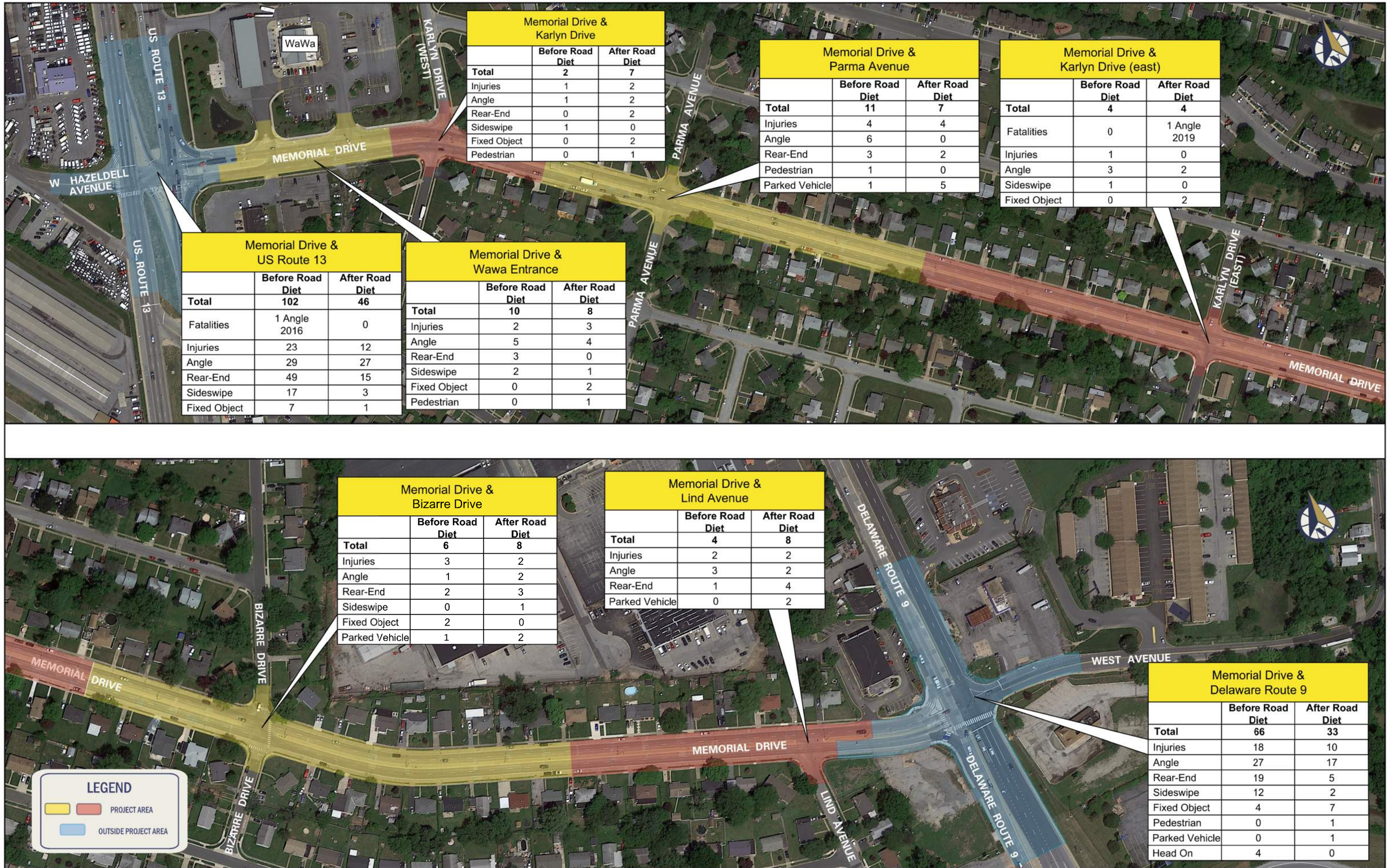
Per the June 18, 2018 Memorial Drive Traffic Study Technical Memorandum, “crosswalk” pedestrian treatments were recommended at the Memorial Drive intersections with Karyln Drive (west), Parma Avenue, Karlyn Drive (east), Lind Avenue, and Bizarre Drive under 2018 conditions with or without the provision of a median for a two-stage crossing and utilizing the 35 miles per hour travel speed consistent with the posted speed limit. A “crosswalk” treatment as defined in NCHRP Report 562 is a marked crosswalk with just pavement markings. For the final design with the implementation of the road diet, crosswalks were installed at the Karlyn Drive (west), Parma Avenue, Karlyn Drive (east), and Bizarre Drive intersections and two-stage crossings were not provided.

Utilizing the after implementation volumes from January 2020, the crossing distance from the road diet and a 35 miles per hour travel speed consistent with the posted speed limit, “crosswalk” pedestrian treatments are recommended at each unsignalized intersection without the provision of a two-stage crossing. An additional analysis was conducted utilizing a 45 miles per hour travel speed consistent with the speed study results and “active or enhanced” pedestrian treatments are recommended at each unsignalized intersection. An “active or enhanced” treatment is defined in NCHRP Report 562 as a device that enhances the visibility of the crossing location and pedestrians and include warning signs, pavement markings, in-roadway warning lights, or overhead flashing amber beacons. For the final design, pedestrian warning and school crossing signs at and ahead of the crosswalks were recommended and were confirmed to be installed in the field providing “enhanced” treatments. Appendix D contains the NCHRP Report 562 worksheets completed for each intersection as part of the after-implementation evaluation.

Crash Evaluation

In the June 18, 2018 Memorial Drive Traffic Study Technical Memorandum, JMT reviewed crash data along Memorial Drive from the US Route 13 to the Delaware Route 9 intersections from April 2015 to April 2018. As summarized on Figure 1, a total of 205 crashes during the three-year study period were reported. Out of the 205 crashes, 37 crashes occurred in the study area from the Wawa Entrance to Lind Avenue (excludes the incidents reported at the US Route 13 and Delaware Route 9 signalized intersections).

For the crash evaluation after implementation of the road diet JMT reviewed crash data from October 2019 to September 15, 2022. As summarized on Figure 2, a total of 99 crashes during the 35.5 month study period were reported. Out of the 99 crashes, 42 crashes occurred in the study area from the Wawa Entrance to Lind Avenue and one was a fatal crash which involved a southbound vehicle at the Karlyn Drive (east) intersection who failed to yield to right-of-way with a vehicle travelling westbound on Memorial Drive. The fatal crash occurred in 2019 and additional data gathered does not indicate that the angle crash is a part of a pattern of crashes at the intersection.



Memorial Drive & Karlyn Drive

	Before Road Diet	After Road Diet
Total	**2**	**7**
Injuries	1	2
Angle	1	2
Rear-End	0	2
Sideswipe	1	0
Fixed Object	0	2
Pedestrian	0	1

Memorial Drive & Parma Avenue

	Before Road Diet	After Road Diet
Total	**11**	**7**
Injuries	4	4
Angle	6	0
Rear-End	3	2
Pedestrian	1	0
Parked Vehicle	1	5

Memorial Drive & Karlyn Drive (east)

	Before Road Diet	After Road Diet
Total	**4**	**4**
Fatalities	0	1 Angle 2019
Injuries	1	0
Angle	3	2
Sideswipe	1	0
Fixed Object	0	2

Memorial Drive & US Route 13

	Before Road Diet	After Road Diet
Total	**102**	**46**
Fatalities	1 Angle 2016	0
Injuries	23	12
Angle	29	27
Rear-End	49	15
Sideswipe	17	3
Fixed Object	7	1

Memorial Drive & Wawa Entrance

	Before Road Diet	After Road Diet
Total	**10**	**8**
Injuries	2	3
Angle	5	4
Rear-End	3	0
Sideswipe	2	1
Fixed Object	0	2
Pedestrian	0	1

Memorial Drive & Bizarre Drive

	Before Road Diet	After Road Diet
Total	**6**	**8**
Injuries	3	2
Angle	1	2
Rear-End	2	3
Sideswipe	0	1
Fixed Object	2	0
Parked Vehicle	1	2

Memorial Drive & Lind Avenue

	Before Road Diet	After Road Diet
Total	**4**	**8**
Injuries	2	2
Angle	3	2
Rear-End	1	4
Parked Vehicle	0	2

Memorial Drive & Delaware Route 9

	Before Road Diet	After Road Diet
Total	**66**	**33**
Injuries	18	10
Angle	27	17
Rear-End	19	5
Sideswipe	12	2
Fixed Object	4	7
Pedestrian	0	1
Parked Vehicle	0	1
Head On	4	0

NOT TO SCALE

MEMORIAL DRIVE TRAFFIC STUDY

CRASH DATA
APRIL 1 2015 – APRIL 1 2018 &
OCTOBER 1 2019 – SEPT 15 2022

FIGURE 2

PLOTTED BY: JBUTTERLY DATE: 10/1/2022
FILE NAME: NDE 150151_000_T_CADD_TRAFFIC_MEMORIAL DRIVE

Table 3 presents the crash summary by manner of impact type before and after implementation of the road diet along Memorial Drive in the study area from the Wawa Entrance to Lind Avenue. The number of crashes within the study area increased after the road diet, and as such, the crash rate also increased.

Table 3:
Crash Summary by Manner of Impact Type
Memorial Drive, from Wawa Entrance to Lind Avenue

Manner of Impact	Number of Crashes in Study Area	
	Before Implementation October 2015 – October 2018	**After Implementation** October 2019 – September 2022
Angle	19 (51%)	12 (29%)
Rear-end	9 (24%)	11 (26%)
Parked Vehicle	2 (6%)	9 (21%)
Fixed Object	2 (6%)	6 (14%)
Sideswipe	4 (11%)	2 (5%)
Pedestrian involved	1 (2%)	2 (5%)
Total	**37**	**42**
Crash Rate per Million Vehicle Miles	3.94	4.59
Injury	13 (35%)	13 (31%)
Fatality	0	1 (2%)

With the implementation of the road diet, angle crashes and sideswipe crashes were observed to decrease. However, rear-end and parked vehicle crashes were observed to increase due to through vehicles improperly passing turning traffic waiting for a sufficient gap. The two sideswipe crashes that occurred after the road diet implementation are also due to a through vehicle improperly passing a vehicle waiting to turn.

For the two pedestrian crashes, the crashes occurred at unmarked crossings with pedestrians on route to or from the local Wawa and drivers claiming to have not seen them. The fixed object crashes were typically roadway departures resulting in utilities or signs being struck mainly on the roadway median.

It should be noted that an additional head-on crash occurred on October 18, 2022 that resulted in a fatality. The head-on collision was due to a eastbound vehicle crossing over the concrete median into the westbound lanes of travel just east of Bizarre Drive. The crash occurred during daytime hours, weather conditions did not impact this crash, and drugs and alcohol were not suspected as part of this crash. Based on the crash report narrative, no apparent reason could be determined why the eastbound vehicle crossed over the concrete median but it does not appear to be related to any crash trends along the corridor.

Gap Study

JMT conducted a gap study on Thursday, January 16, 2020 during the morning, afternoon, and evening peak hour at the Memorial Drive intersection with Karlyn Drive (east). Additional data was collected from September 28 to 30, 2022. The purpose of this study is to determine the availability of appropriate left turn movement gaps from southbound Karlyn Drive (east) during the highest volume peak period. Based on the *Highway Capacity Manual 6th Edition,* Exhibit 20-12 lists the critical gap for a left turn and a through movement from a minor street with two lanes along the major street is 7.1 seconds and 6.5 seconds, respectively. Table

4 below summarizes the number of gaps in the peak hour which met or exceeded 7.1 seconds. Appendix E summarizes the gap results.

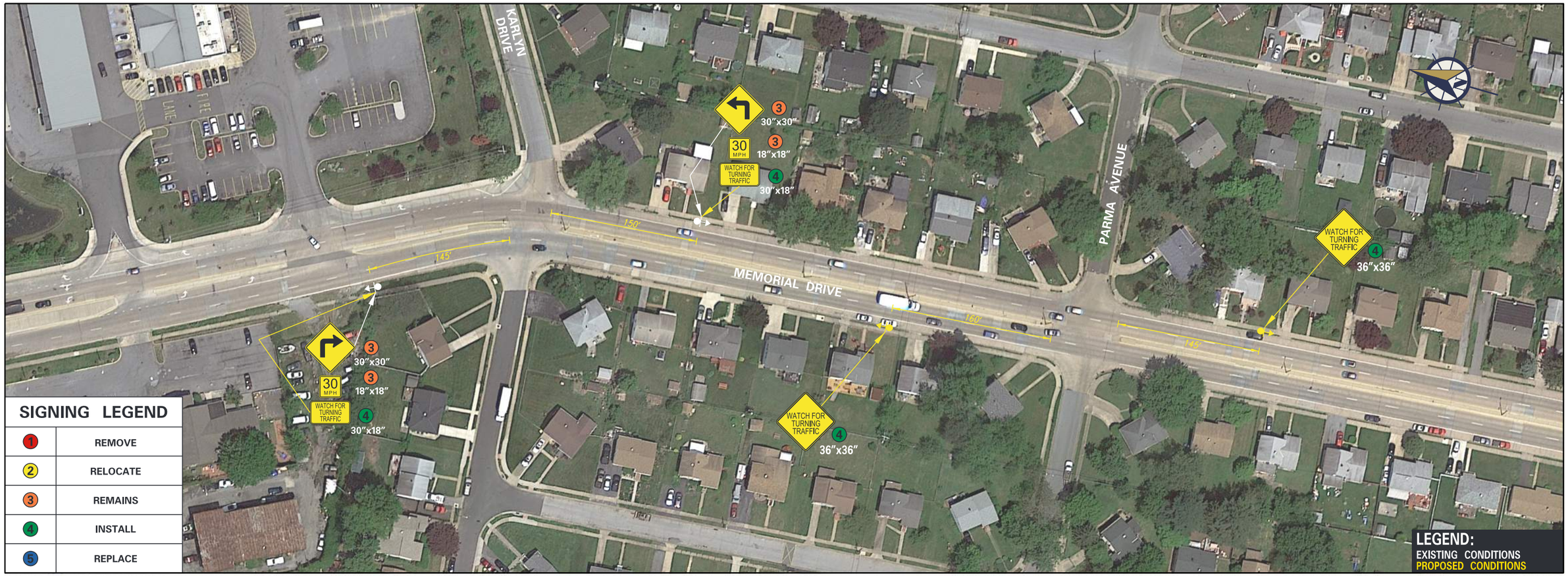
Table 4: Number of Acceptable Gaps

Time of Day	2020 After Road Diet	2022 After Road Diet
AM	118	216
Afternoon	162	-
PM	144	135

APPENDIX A
Interim Signing Improvements

CORRIDOR: MEMORIAL DRIVE (N061)

NEW CASTLE COUNTY



SIGNING LEGEND

1	REMOVE
2	RELOCATE
3	REMAINS
4	INSTALL
5	REPLACE

NOTE: AERIAL SHOWN ON PLAN IS OUT OF DATE AND A NEW LANE DIET STRIPING LAYOUT HAS BEEN IMPLEMENTED ALONG MEMORIAL DRIVE.

DATA COLLECTED: 09-28-2022

EASTBOUND CURVE WARNING ASSEMBLY

WESTBOUND CURVE WARNING ASSEMBLY

PLOTTED BY: CJACKMAN DATE: 2/20/2023
Q:\2021\2102937_500_Misc._Traffic_Study_\CADD\MemorialDrive\N061 - MemorialDrive.dgn

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

CONTRACT

COUNTY: NEW CASTLE

MAINT. NO.: N061

DESIGNED BY: C. JACKMAN

CHECKED BY: N. RAHAIM

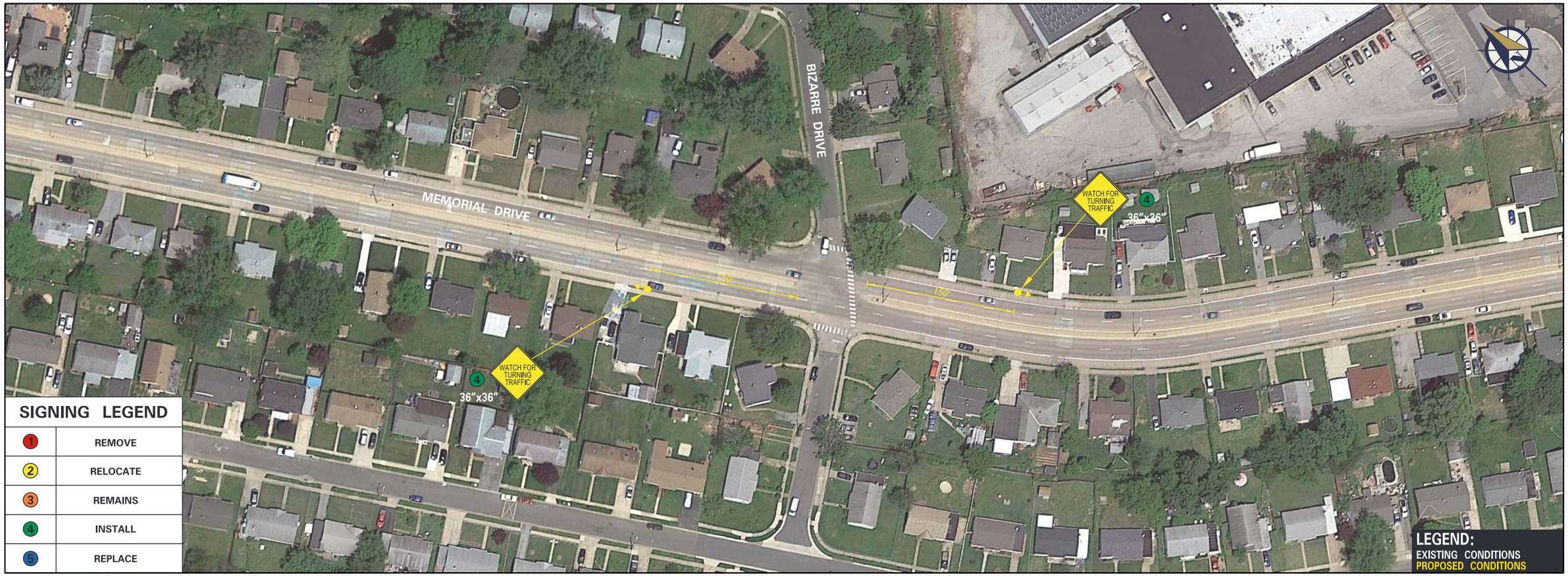
MEMORIAL DRIVE AFTER STUDY

SHEET NO.: 1

TOTAL SHTS.: 3

CORRIDOR: MEMORIAL DRIVE (N061)

NEW CASTLE COUNTY – HOT SPOT



SIGNING LEGEND	
1	REMOVE
2	RELOCATE
3	REMAINS
4	INSTALL
5	REPLACE

NOTE: AERIAL SHOWN ON PLAN IS OUT OF DATE AND A NEW LANE DIET STRIPING LAYOUT HAS BEEN IMPLEMENTED ALONG MEMORIAL DRIVE.

DATA COLLECTED: 09-28-2022

PLOTTED BY: CJACKMAN DATE: 2/20/2023
Q:\2021\2102937_500_Misc._Traffic_Study_\CADD\Memorial Drive\N061 - Memorial Drive.dgn

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

CONTRACT	MAINT. NO.	N061	MEMORIAL DRIVE AFTER STUDY	SHEET NO.
	DESIGNED BY: C. JACKMAN			2
COUNTY				TOTAL SHTS.
NEW CASTLE	CHECKED BY: N. RAHAIM			3

CORRIDOR: MEMORIAL DRIVE (N061)

NEW CASTLE COUNTY

SIGNING LEGEND

1	REMOVE
2	RELOCATE
3	REMAINS
4	INSTALL
5	REPLACE

NOTE: AERIAL SHOWN ON PLAN IS OUT OF DATE AND A NEW LANE DIET STRIPING LAYOUT HAS BEEN IMPLEMENTED ALONG MEMORIAL DRIVE.

DATA COLLECTED: 09-28-2022

EASTBOUND SIGNAL WARNING ASSEMBLY

PLOTTED BY: CJACKMAN DATE: 2/20/2023
Q:\2021\2102937_500_Misc_Traffic_Study_\CADD\MemorialDrive\N061 - MemorialDrive.dgn

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

NOT TO SCALE

CONTRACT	MAINT. NO.	N061
	DESIGNED BY: C. JACKMAN	MEMORIAL DRIVE AFTER STUDY
COUNTY	CHECKED BY: N. RAHAIM	
NEW CASTLE		

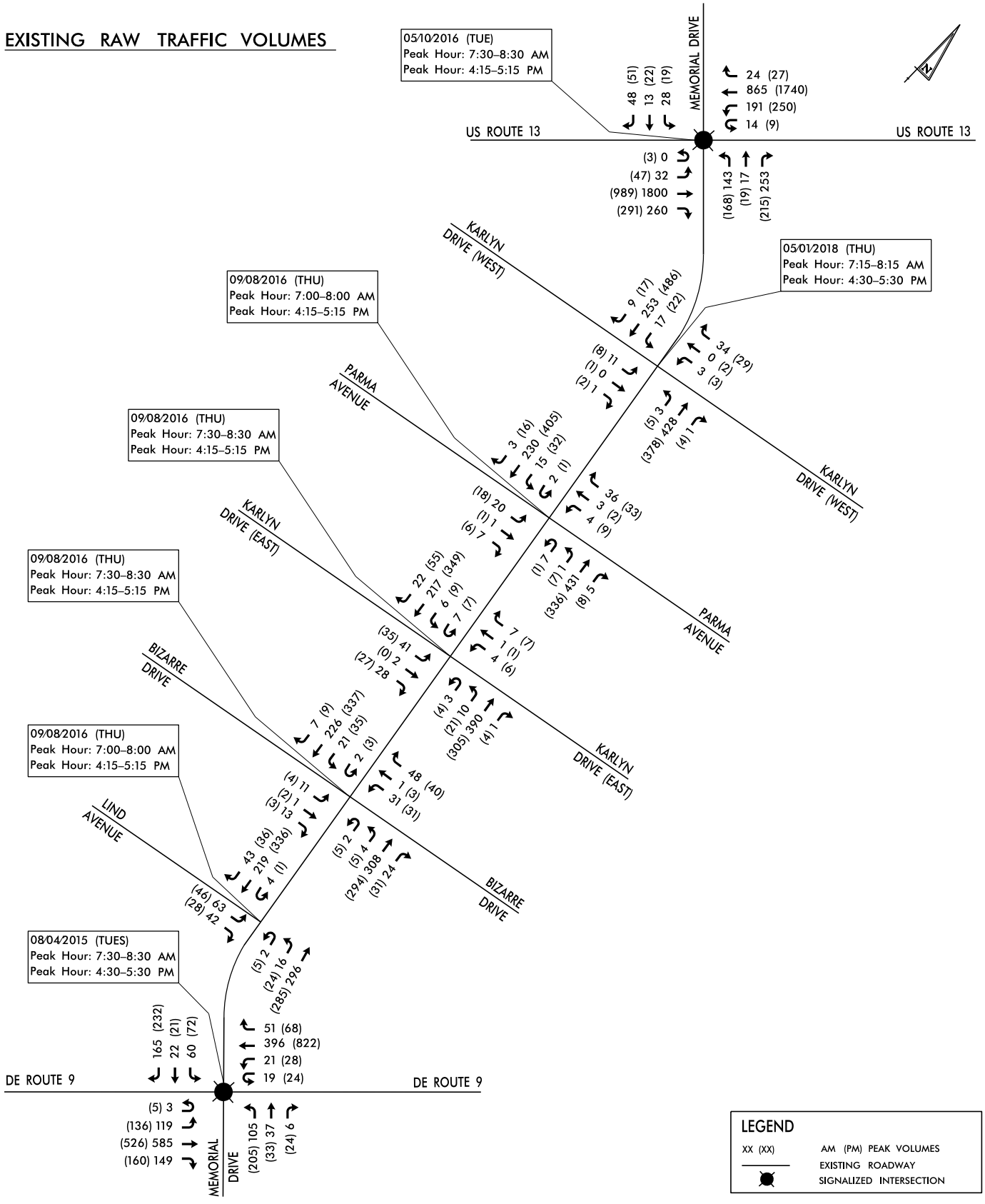
SHEET NO.
3
TOTAL SHTS.
3

APPENDIX B
Volume Figures

Before Study

***From the June 18, 2018 Technical Memorandum for the Memorial Drive Traffic Study prepared by JMT**

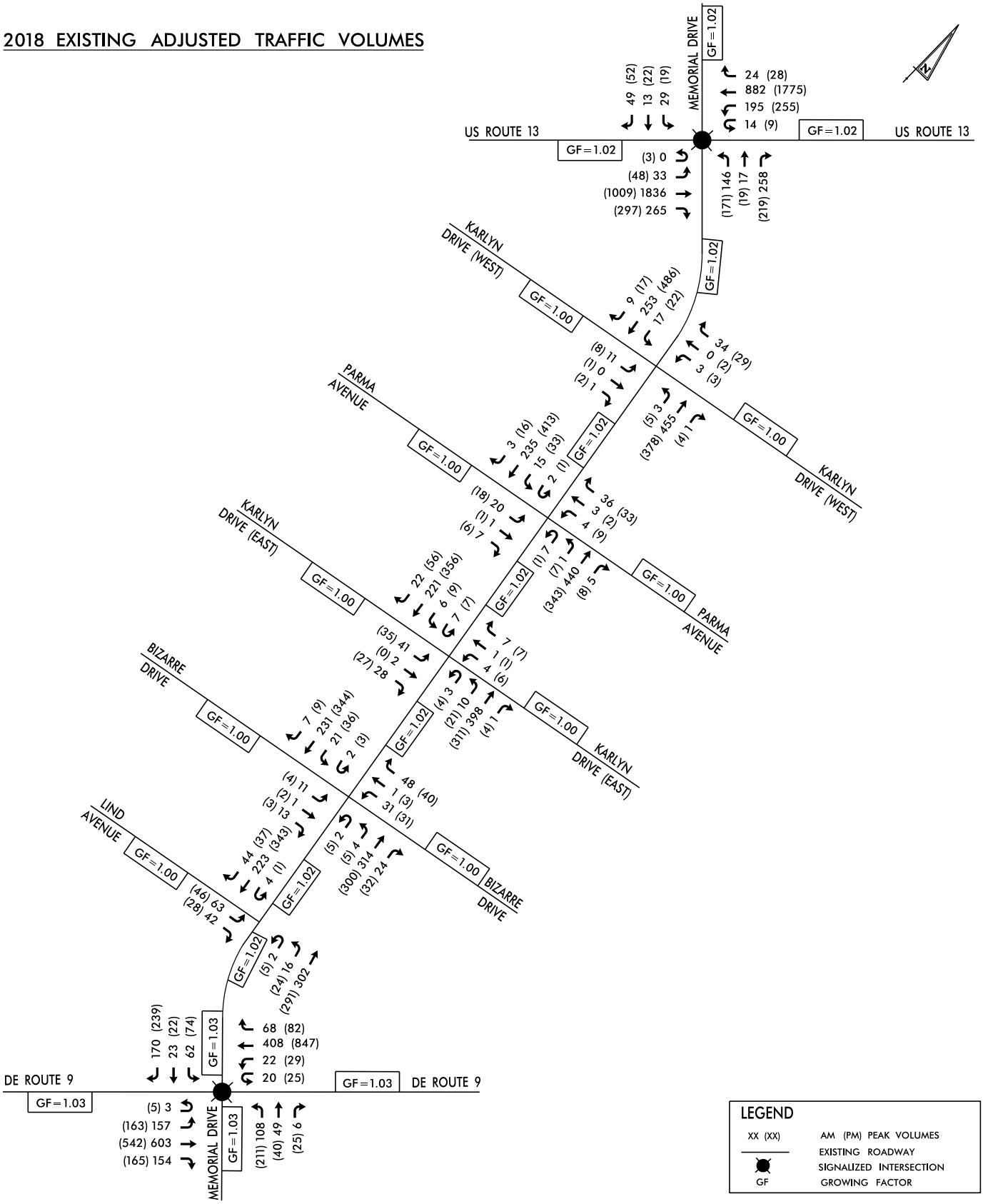
EXISTING RAW TRAFFIC VOLUMES



MEMORIAL DRIVE TRAFFIC STUDY FOR PAVEMENT AND REHABILITATION SERVICES
NEW CASTLE COUNTY, DELAWARE

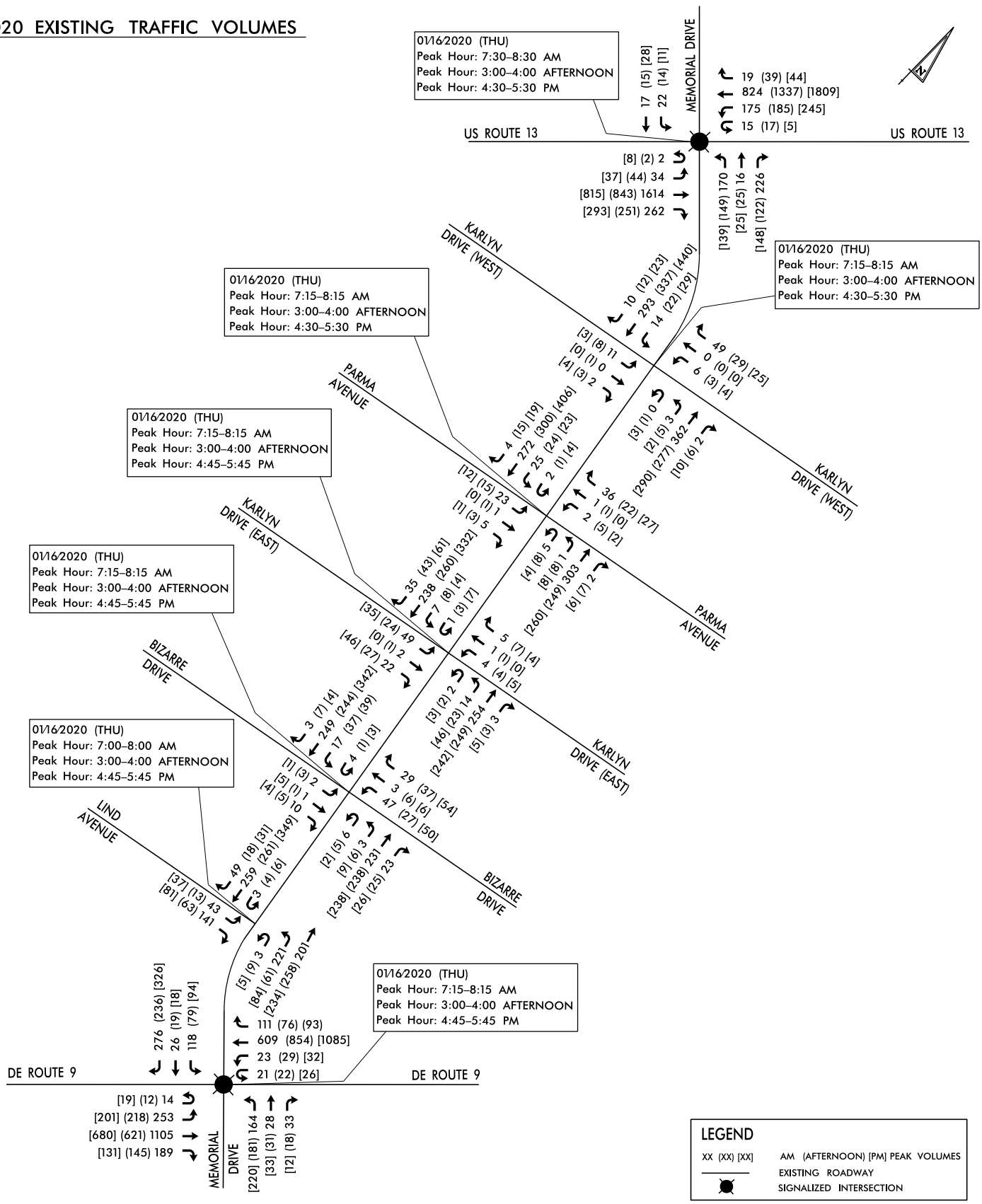
N.T.S	FIGURE A–1	JUNE 2018

2018 EXISTING ADJUSTED TRAFFIC VOLUMES


MEMORIAL DRIVE
GF=1.02
US ROUTE 13
GF=1.02
GF=1.02
US ROUTE 13
KARLYN DRIVE (WEST)
GF=1.00
PARMA AVENUE
GF=1.00
KARLYN DRIVE (EAST)
GF=1.00
BIZARRE DRIVE
GF=1.00
LIND AVENUE
GF=1.00
KARLYN DRIVE (WEST)
GF=1.00
PARMA AVENUE
GF=1.00
KARLYN DRIVE (EAST)
GF=1.00
BIZARRE DRIVE
GF=1.00
DE ROUTE 9
GF=1.03
GF=1.03
DE ROUTE 9
MEMORIAL DRIVE
GF=1.03
GF=1.02
GF=1.02
GF=1.02

After Study

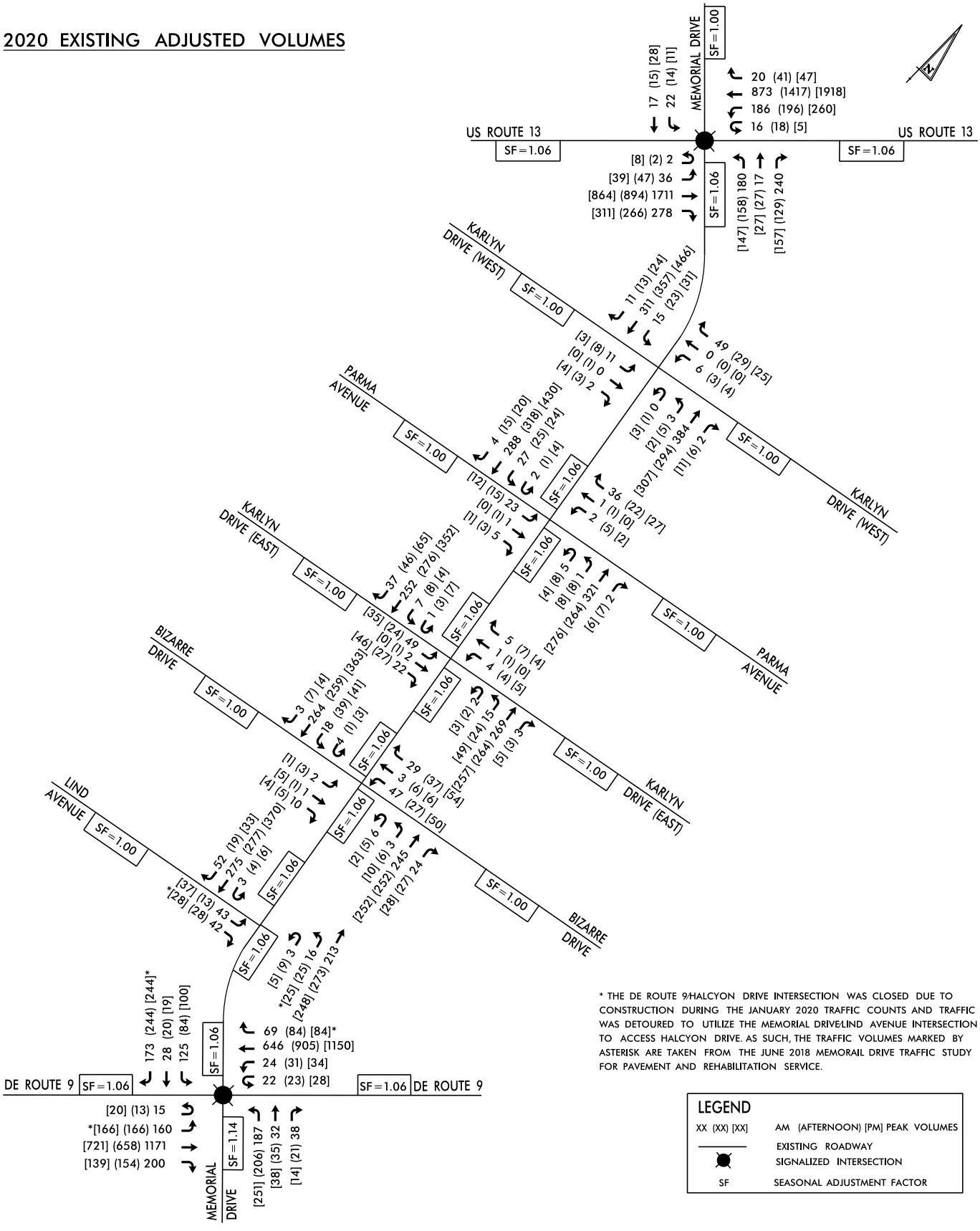
2020 EXISTING TRAFFIC VOLUMES



MEMORIAL DRIVE TRAFFIC STUDY FOR PAVEMENT AND REHABILITATION SERVICES
NEW CASTLE COUNTY, DELAWARE

N.T.S	FIGURE A–1	MAY 2020

2020 EXISTING ADJUSTED VOLUMES



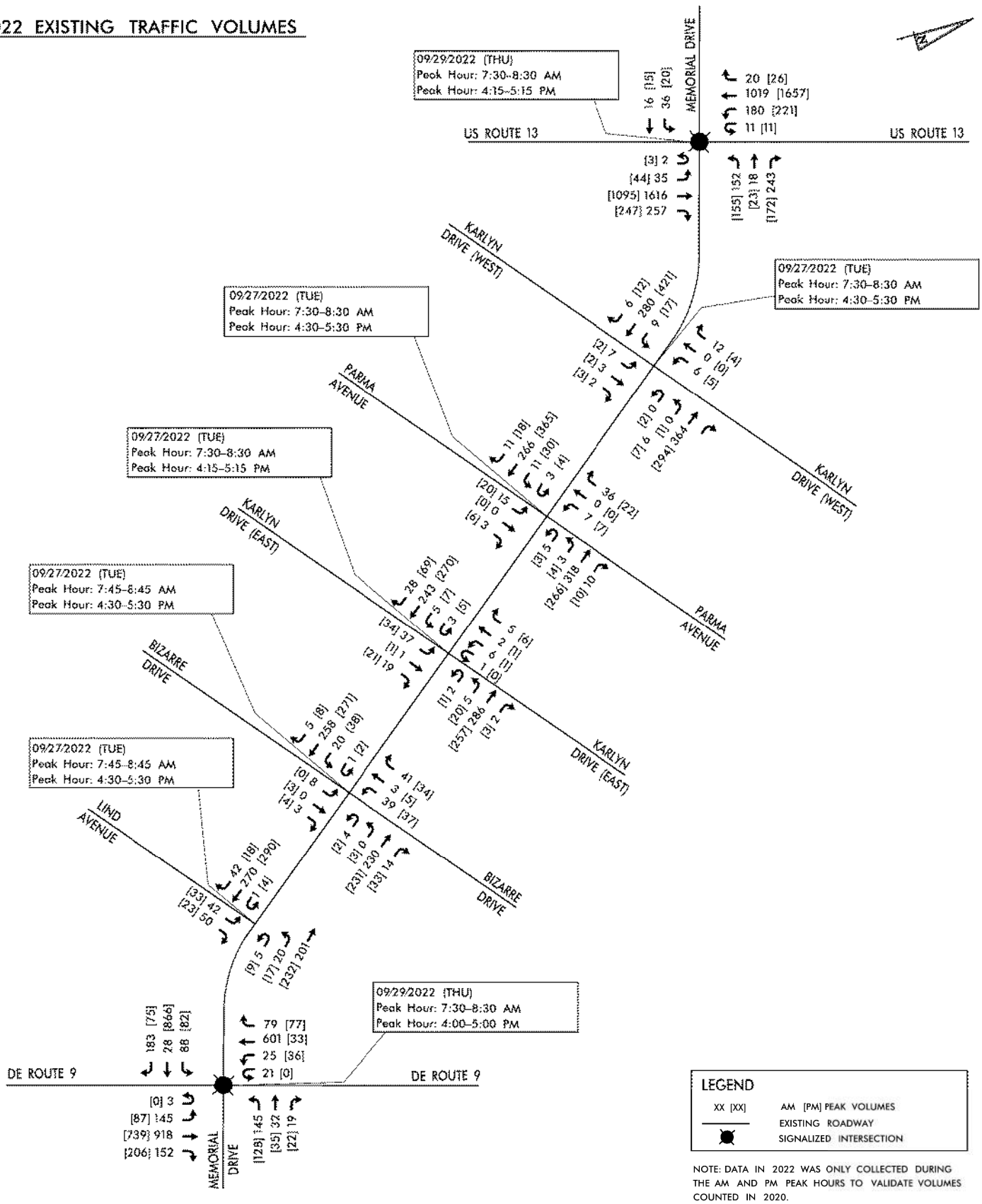
* THE DE ROUTE 9/HALCYON DRIVE INTERSECTION WAS CLOSED DUE TO CONSTRUCTION DURING THE JANUARY 2020 TRAFFIC COUNTS AND TRAFFIC WAS DETOURED TO UTILIZE THE MEMORIAL DRIVE/LIND AVENUE INTERSECTION TO ACCESS HALCYON DRIVE. AS SUCH, THE TRAFFIC VOLUMES MARKED BY ASTERISK ARE TAKEN FROM THE JUNE 2018 MEMORAIL DRIVE TRAFFIC STUDY FOR PAVEMENT AND REHABILITATION SERVICE.

LEGEND	
XX (XX) [XX]	AM (AFTERNOON) [PM] PEAK VOLUMES
	EXISTING ROADWAY
	SIGNALIZED INTERSECTION
SF	SEASONAL ADJUSTMENT FACTOR

MEMORIAL DRIVE TRAFFIC STUDY FOR PAVEMENT AND REHABILITATION SERVICES
NEW CASTLE COUNTY, DELAWARE

N.T.S	FIGURE A–2	MAY 2020

2022 EXISTING TRAFFIC VOLUMES



NOTE: DATA IN 2022 WAS ONLY COLLECTED DURING THE AM AND PM PEAK HOURS TO VALIDATE VOLUMES COUNTED IN 2020.

MEMORIAL DRIVE TRAFFIC STUDY FOR PAVEMENT AND REHABILITATION SERVICES
NEW CASTLE COUNTY, DELAWARE

N.T.S	FIGURE A–1	OCTOBER 2022

APPENDIX C
Capacity Analysis Results

Signalized Intersection LOS

Intersection	Peak Hour	2018 Before Study		2020 After Study	
		LOS	Delay (sec)	LOS	Delay (sec)
Memorial Drive/US Route 13	AM	C	30.0	D	36.3
	PM	C	26.7	C	27.5
Memorial Drive/Delaware Route 9	AM	C	21.1	C	32.8
	PM	C	28.3	D	36.1

Before LOS (Delay) based on HCM 2010 methodology.

After study LOS (Delay) based on HCM 6th edition methodology.

2018 Before Study results are from the June 18,2018 Technical Memorandum for the Memorial Drive Traffic Study prepared by JMT.

95th Percentile Signalized Queue Results

Intersection	Peak Hour	Movement	Storage (feet)	2018 Before Study Queue (feet)		2020 After Study Queue (feet)	
				Observed Queue	Calculated Queue	Observed Queue	Calculated Queue
Memorial Drive/US Route 13	AM	EBL Memorial Drive	-	75	45	50	37
		WBL Memorial Drive	-	125	121	150	148
		NBL US Route 13	140	0	26	75	38
		SBL US Route 13	190	150	#321	150	#381
	PM	EBL Memorial Drive	-	25	38	50	23
		WBL Memorial Drive	-	50	132	75	#158
		NBL US Route 13	150	50	39	75	40
		SBL US Route 13	150	250	#380	250	#366
Memorial Drive/Delaware Route 9	AM	EBLT Memorial Drive	-	125	74	150	236
		WBLT Memorial Drive	-	100	#182	175	315
		NBL Delaware Route 9	140	25	112	75	134
		SBL Delaware Route 9	190	50	38	50	44
	PM	EBLT Memorial Drive	-	75	96	225	174
		WBL Memorial Drive	-	150	#308	325	#465
		NBL Delaware Route 9	150	75	118	300	#224
		SBL Delaware Route 9	150	75	40	75	57

Notes:

m Volume for 95th percentile queue is metered by upstream signal.

Observed queues are from field observations.

Calculated queues are 95th percentile queue lenghts based on Synchro methodology.

95th percentile volume exceeds capacity, queue may be longer.

2018 Before Study results are from the June 18,2018 Technical Memorandum for the Memorial Drive Traffic Study prepared by JMT.

Unsignalized Intersection LOS

Intersection	Peak Hour	Movement	2018 Before Study		2020 After Study	
			LOS	Delay (sec)	LOS	Delay (sec)
Memorial Drive/Karlyn Drive (west)	AM	EBL Memorial Drive	A	8.5	A	8.3
		WBL Memorial Drive	A	7.8	A	8.0
		NB Karlyn Drive (west) Approach	B	13.9	C	19.0
		SB Karlyn Drive (west) Approach	B	10.7	B	12.5
	PM	EBL Memorial Drive	A	8.2	A	8.0
		WBL Memorial Drive	A	8.5	A	8.4
		NB Karlyn Drive (west) Approach	C	17.8	C	15.7
		SB Karlyn Drive (west) Approach	B	11.2	B	11.9
Memorial Drive/Parma Avenue	AM	EBL Memorial Drive	A	8.5	A	8.1
		WBL Memorial Drive	A	8.7	A	7.9
		NB Parma Avenue Approach	B	13.2	C	18.0
		SB Parma Avenue Approach	B	11.1	B	11.5
	PM	EBL Memorial Drive	A	8.2	A	8.0
		WBL Memorial Drive	A	8.7	A	8.6
		NB Parma Avenue Approach	C	17.2	C	20.6
		SB Parma Avenue Approach	B	12.2	B	10.9
Memorial Drive/Karlyn Drive (east)	AM	EBL Memorial Drive	A	9.1	A	8.0
		WBL Memorial Drive	A	8.6	A	8.1
		NB Karlyn Drive (east) Approach	B	12.9	C	15.5
		SB Karlyn Drive (east) Approach	B	12.0	B	12.9
	PM	EBL Memorial Drive	A	8.6	A	7.9
		WBL Memorial Drive	A	8.7	A	8.5
		NB Karlyn Drive (east) Approach	B	14.5	C	17.1
		SB Karlyn Drive (east) Approach	B	13.3	C	16.1
Memorial Drive/Bizarre Drive	AM	EBL Memorial Drive	A	8.4	A	8.2
		WBL Memorial Drive	A	8.3	A	7.9
		NB Bizarre Drive Approach	B	12.0	B	11.3
		SB Bizarre Drive Approach	B	12.2	C	15.8
	PM	EBL Memorial Drive	A	8.4	A	8.0
		WBL Memorial Drive	A	8.7	A	8.1
		NB Bizarre Drive Approach	C	15.9	C	15.1
		SB Bizarre Drive Approach	B	13.6	C	17.6
Memorial Drive/Lind Avenue	AM	EBL Memorial Drive	A	4.5	A	*
		WBL Memorial Drive	A	8.0	A	8.2
		NB Lind Avenue Approach	B	12.8	B	13.5
	PM	EBL Memorial Drive	A	4.5	A	*
		WBL Memorial Drive	A	8.6	A	8.2
		NB Lind Avenue Approach	B	13.2	B	14.1

Note:

Before study LOS (Delay) based on HCM 2010 methodology.

After study LOS (Delay) based on HCM 6th edition methodology.

*LOS (delay) results not provided by software.

2018 Before Study results are from the June 18,2018 Technical Memorandum for the Memorial Drive Traffic Study prepared by JMT.

Unsignalized Intersection Queue

Intersection	Peak Hour	Movement	2018 Before Study Queue (feet)		2020 After Study	
			Observed Queue	Calculated Queue	Observed Queue	Calculated Queue
Memorial Drive/Karlyn Drive (west)	AM	EBL Memorial Drive	0	3	0	0
		WBL Memorial Drive	0	0	0	0
		NB Karlyn Drive (west) Approach	25	3	25	5
		SB Karlyn Drive (west) Approach	0	5	25	10
	PM	EBL Memorial Drive	0	3	25	3
		WBL Memorial Drive	0	0	0	0
		NB Karlyn Drive (west) Approach	50	3	0	3
		SB Karlyn Drive (west) Approach	0	5	0	5
Memorial Drive/Parma Avenue	AM	EBL Memorial Drive	0	0	25	3
		WBL Memorial Drive	0	0	0	0
		NB Parma Avenue Approach	25	5	75	8
		SB Parma Avenue Approach	25	5	25	5
	PM	EBL Memorial Drive	0	3	25	3
		WBL Memorial Drive	0	0	0	0
		NB Parma Avenue Approach	25	8	25	5
		SB Parma Avenue Approach	25	8	25	5
Memorial Drive/Karlyn Drive (east)	AM	EBL Memorial Drive	0	0	25	0
		WBL Memorial Drive	0	0	25	0
		NB Karlyn Drive (east) Approach	25	13	25	18
		SB Karlyn Drive (east) Approach	25	3	0	3
	PM	EBL Memorial Drive	0	0	0	0
		WBL Memorial Drive	0	3	0	5
		NB Karlyn Drive (east) Approach	50	13	75	23
		SB Karlyn Drive (east) Approach	25	3	25	3
Memorial Drive/Bizarre Drive	AM	EBL Memorial Drive	0	3	25	3
		WBL Memorial Drive	0	0	25	3
		NB Bizarre Drive Approach	0	5	0	0
		SB Bizarre Drive Approach	0	13	50	20
	PM	EBL Memorial Drive	0	3	25	3
		WBL Memorial Drive	0	0	0	0
		NB Bizarre Drive Approach	0	3	0	3
		SB Bizarre Drive Approach	50	15	25	30
Memorial Drive/Lind Avenue	AM	EBL Memorial Drive	0	0	0	*
		WBL Memorial Drive	0	0	25	3
		NB Lind Avenue Approach	25	18	75	18
	PM	EBL Memorial Drive	0	0	0	*
		WBL Memorial Drive	0	3	50	3
		NB Lind Avenue Approach	25	13	25	13

Notes:

Observed queues are from field observations.

Calculated queues are 95th percentile queue lenghts based on Synchro methodology.

*Queue results not provided by software.

2018 Before Study results are from the June 18,2018 Technical Memorandum for the Memorial Drive Traffic Study prepared by JMT.

APPENDIX D
NCHRP 562 Worksheets

Midblock Crossing Evaluation Results

Year Evaluated	Intersection	Assumed Speed	Crossing Type	Crossing Distance (Feet)	Total Pedestrian Delay		Treatment Warranted
					Hours	Seconds	
2020	Memorial Drive/Karlyn Drive (west)	≤35	One Stage	47	0.9	3,240	Crosswalk
		>35	One Stage	47	3.7	13,320	Active or Enhanced
	Memorial Drive/Parma Avenue	≤35	One Stage	47	0.7	2,520	Crosswalk
		>35	One Stage	47	2.8	10,080	Active or Enhanced
	Memorial Drive/Karlyn Drive (east)	≤35	One Stage	47	0.7	2,520	Crosswalk
		>35	One Stage	47	2.1	7,560	Active or Enhanced
	Memorial Drive/Bizarre Drive	≤35	One Stage	47	0.6	2,160	Crosswalk
		>35	One Stage	47	1.9	6,840	Active or Enhanced
	Memorial Drive/Lind Avenue	≤35	One Stage	47	0.5	1,800	Crosswalk
		>35	One Stage	47	1.6	5,760	Active or Enhanced

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

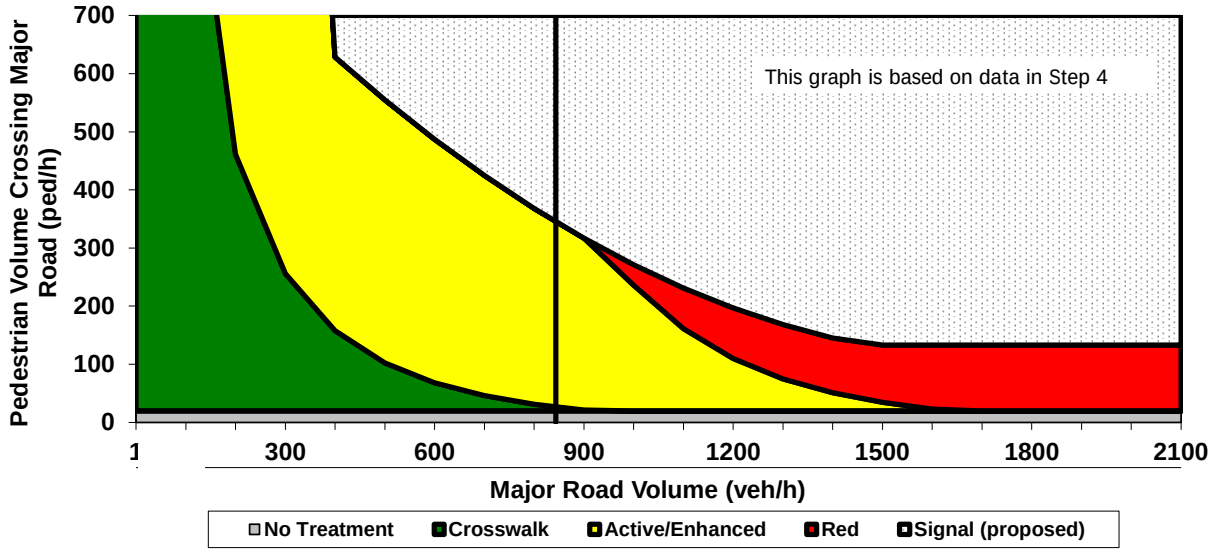
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Karlyn Drive (west)
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	35
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	844
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	345
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	345
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	345
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	844
Major road flow rate (veh/s), v		*4f*	0.23
Average pedestrian delay (s/person), d_p		*4g*	169
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	0.9
		4i	0.005
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**CROSSWALK**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

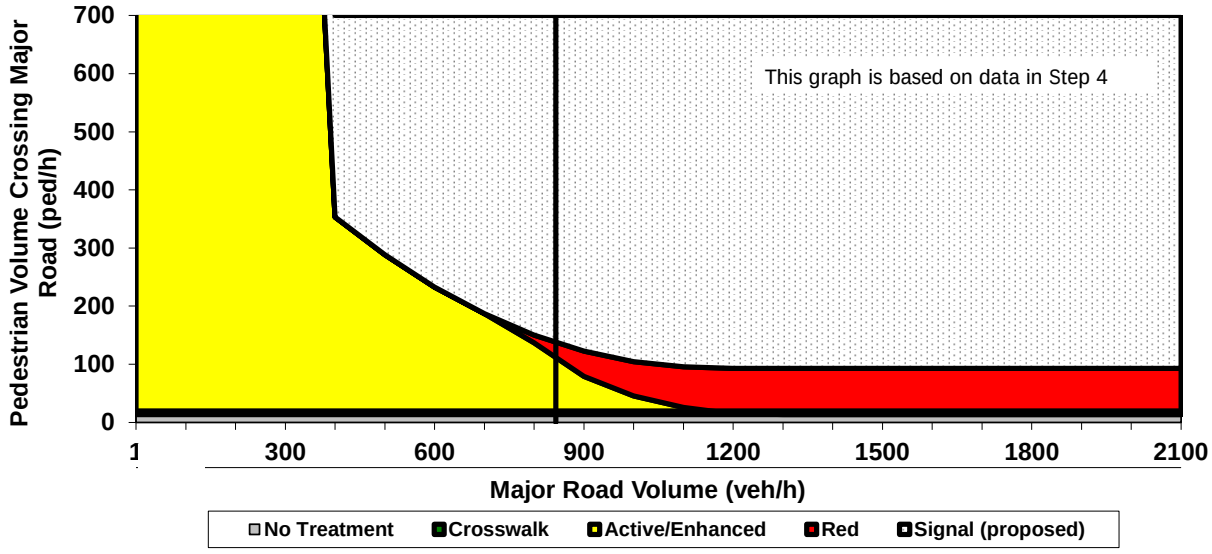
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Karlyn Drive (west)
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	45
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	844
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	137
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	137
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	137
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	844
Major road flow rate (veh/s), v		*4f*	0.33
Average pedestrian delay (s/person), d_p		*4g*	666
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	3.7
		4i	0.021
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**ACTIVE OR ENHANCED**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

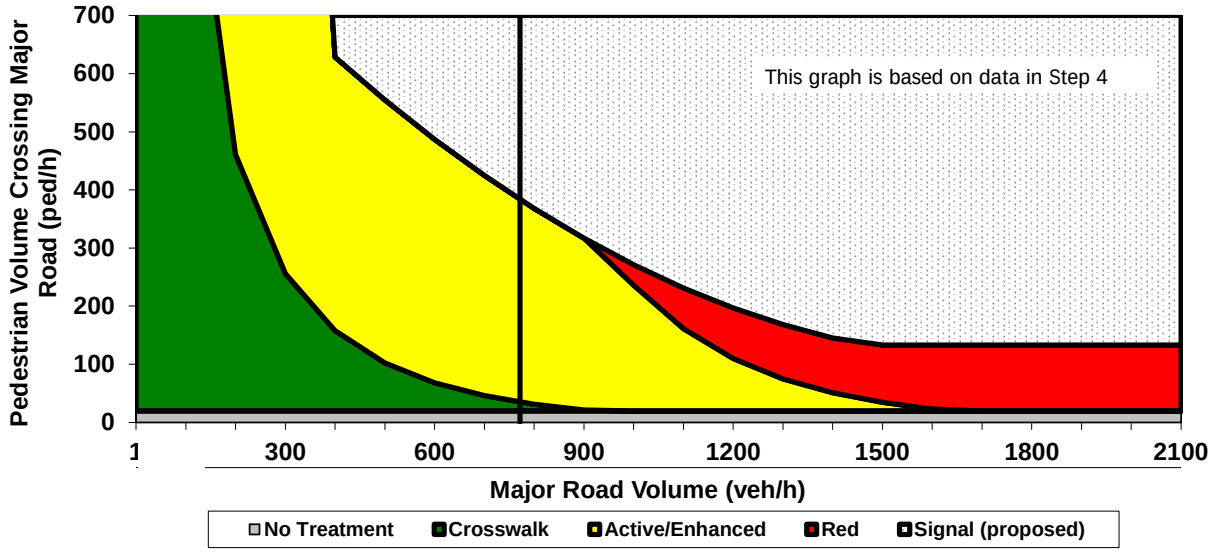
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Parma Avenue
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	35
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	772
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	383
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	383
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	383
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	772
Major road flow rate (veh/s), v		*4f*	0.21
Average pedestrian delay (s/person), d_p		*4g*	129
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	0.7
		4i	0.004
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**CROSSWALK**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

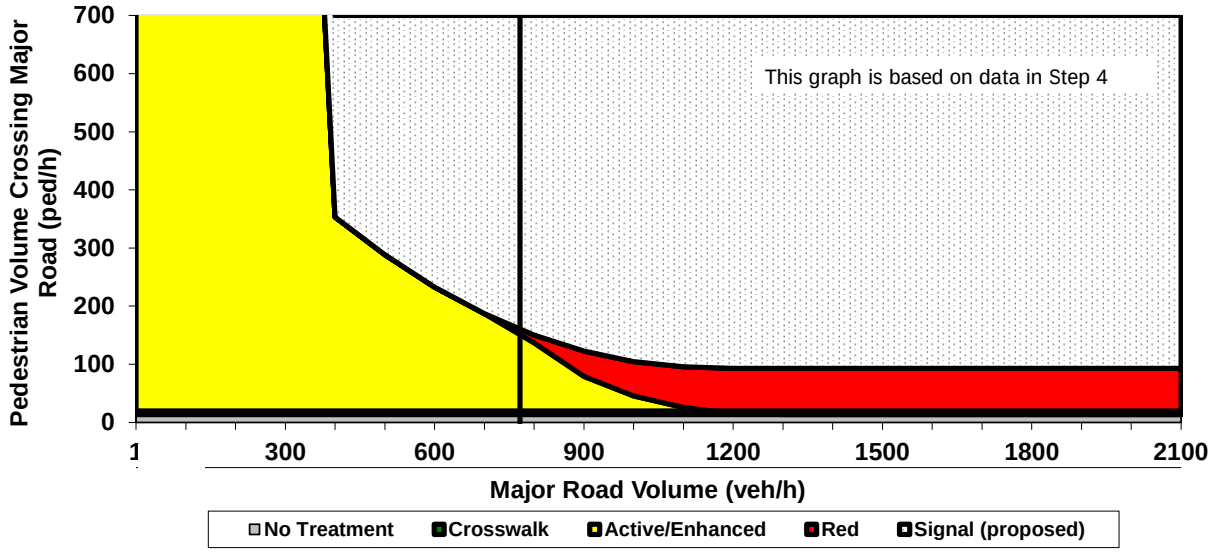
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Parma Avenue
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	45
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	772
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	159
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	159
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	159
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	772
Major road flow rate (veh/s), v		*4f*	0.31
Average pedestrian delay (s/person), d_p		*4g*	506
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	2.8
		4i	0.016
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**ACTIVE OR ENHANCED**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

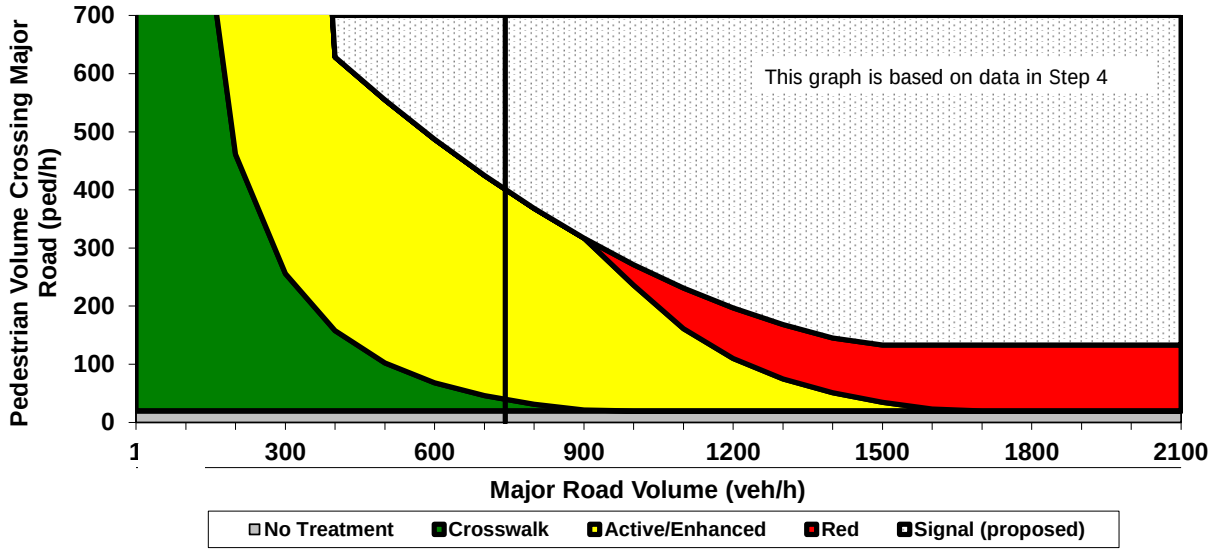
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Karlyn Drive (east)
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	35
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	742
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	400
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	400
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	400
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	742
Major road flow rate (veh/s), v		*4f*	0.21
Average pedestrian delay (s/person), d_p		*4g*	129
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	0.7
		4i	0.004
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**CROSSWALK**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

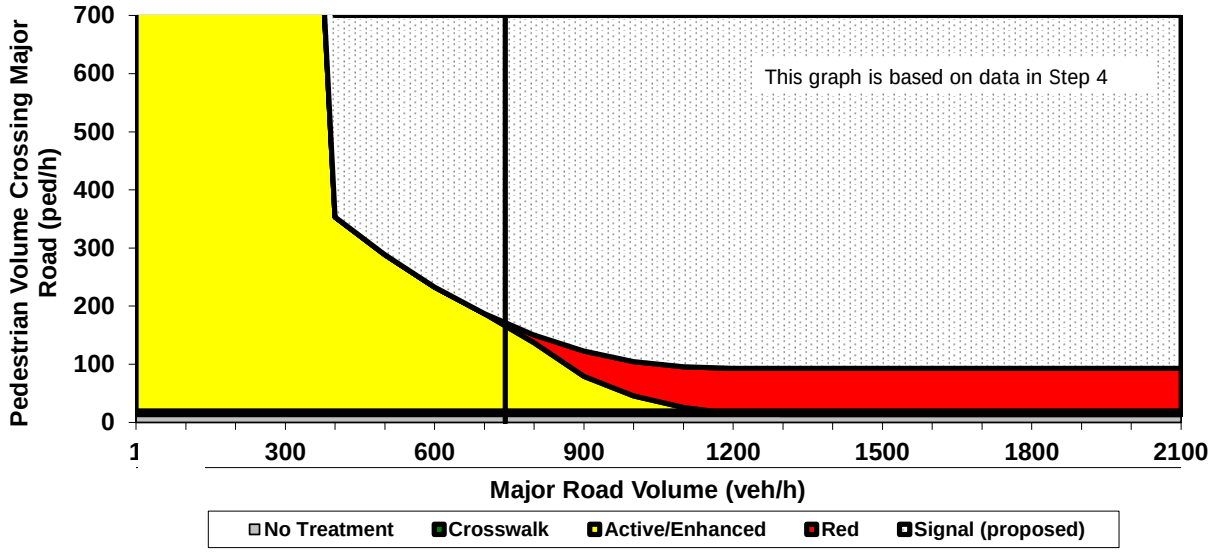
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Karlyn Drive (east)
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	45
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	742
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	170
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	170
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	170
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	742
Major road flow rate (veh/s), v		*4f*	0.29
Average pedestrian delay (s/person), d_p		*4g*	384
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	2.1
		4i	0.012
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**ACTIVE OR ENHANCED**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

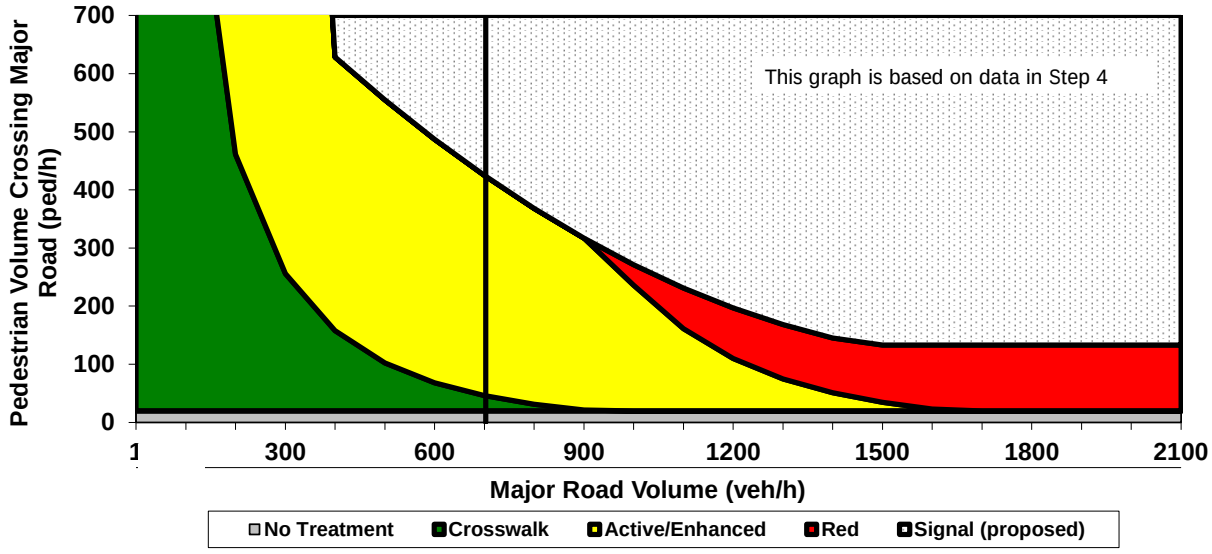
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Bizzare Drive
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	35
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	703
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	423
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	423
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	423
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	703
Major road flow rate (veh/s), v		*4f*	0.20
Average pedestrian delay (s/person), d_p		*4g*	112
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	0.6
		4i	0.003
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**CROSSWALK**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

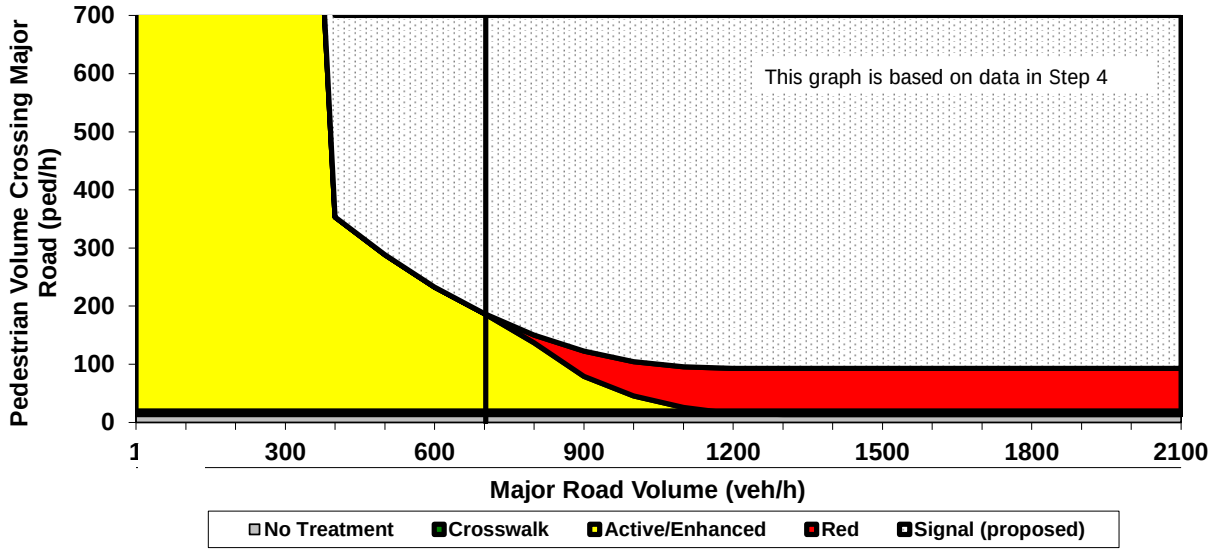
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Bizzare Drive
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	45
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	703
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	186
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	186
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	186
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	703
Major road flow rate (veh/s), v		*4f*	0.28
Average pedestrian delay (s/person), d_p		*4g*	335
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	1.9
		4i	0.010
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**ACTIVE OR ENHANCED**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

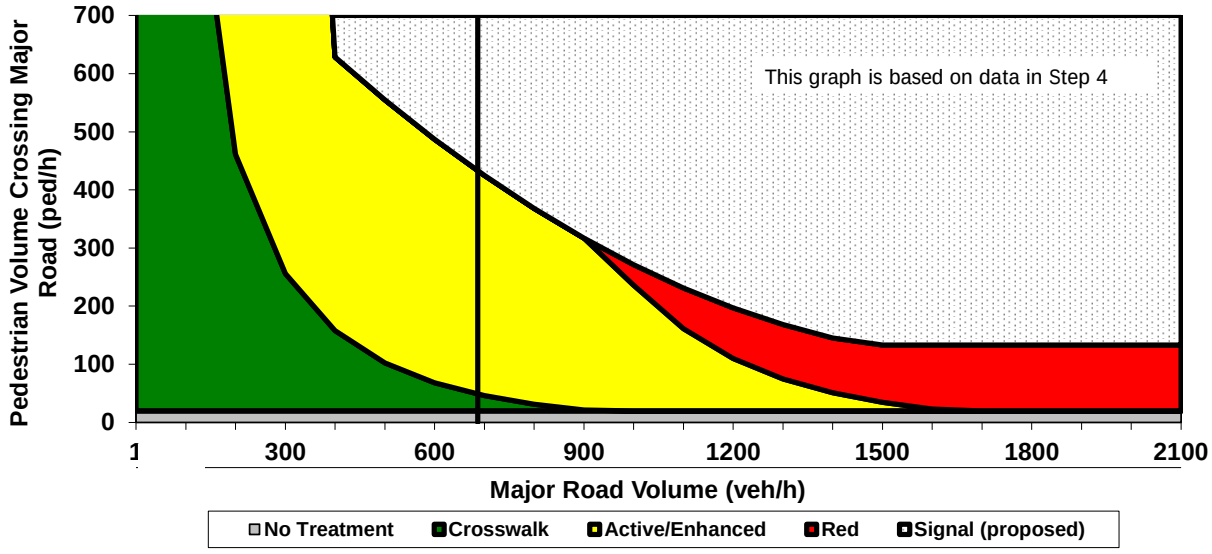
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Lind Avenue
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	35
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	687
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	432
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	432
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	432
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	687
Major road flow rate (veh/s), v		*4f*	0.19
Average pedestrian delay (s/person), d_p		*4g*	98
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	0.5
		4i	0.003
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**CROSSWALK**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

GUIDELINES FOR PEDESTRIAN CROSSING TREATMENTS

This spreadsheet combines Worksheet 1 and Worksheet 2 (Appendix A, pages 69-70) of TCRP Report 112/NCHRP Report 562 (*Improving Pedestrian Safety at Unsignalized Intersections*) into an electronic format. This spreadsheet should be used in conjunction with, and not independent of, Appendix A documentation.

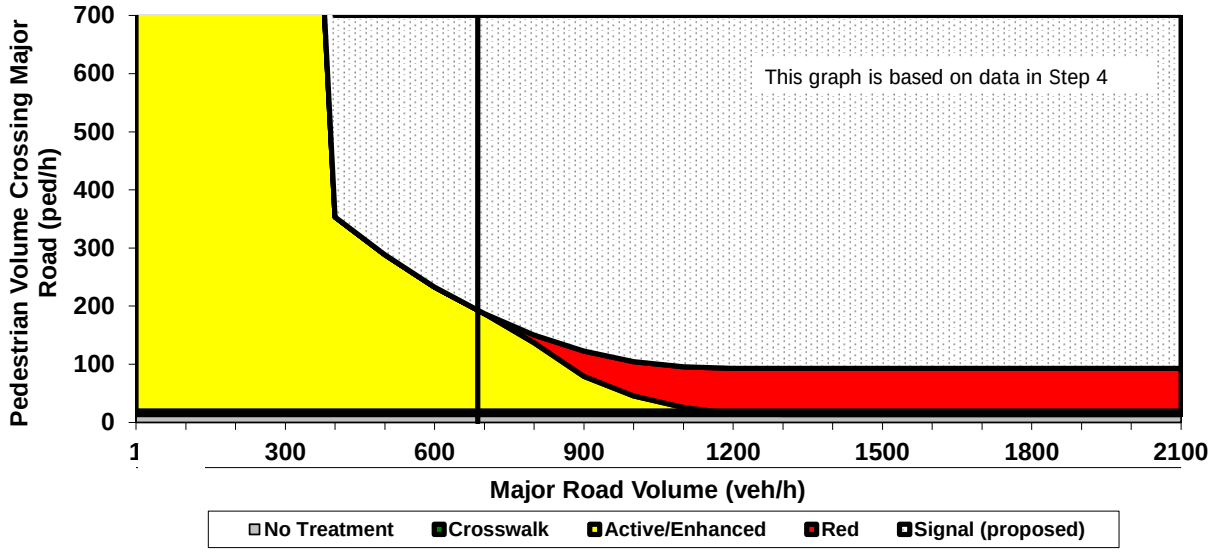
This spreadsheet is still under development, please inform TTI if errors are identified.

Key

Blue fields contain descriptive information.
Green fields are required and must be completed.
Tan fields are adjustments that are filled out only under certain conditions (follow instructions to the left of the cell).
Gray fields are automatically calculated and should not be edited.

Analyst and Site Information			
Analyst	JMT - YK	Major Street	Memorial Drive
Analysis Date	April 27, 2020	Minor Street or Location	Lind Avenue
Data Collection Date	January 16, 2020	Peak Hour	PM

Step 1: Select worksheet:			
Posted or statutory speed limit (or 85th percentile speed) on the major street (mph)		*1a*	45
Is the population of the surrounding area <10,000? (enter ***YES*** or ***NO***)		*1b*	no
Step 2: Does the crossing meet minimum pedestrian volumes to be considered for a traffic control device?			
Peak-hour pedestrian volume (ped/h), V_p		*2a*	20
Result: Go to step 3.			
Step 3: Does the crossing meet the pedestrian warrant for a traffic signal?			
Major road volume, total of both approaches during peak hour (veh/h), $V_{maj\text{-}s}$		*3a*	687
[Calculated automatically] Preliminary (before min. threshold) peak hour pedestrian volume to meet warrant		*3b*	192
[Calculated automatically] Minimum required peak hour pedestrian volume to meet traffic signal warrant		*3c*	192
Is 15th percentile crossing speed of pedestrians less than 3.5 ft/s (1.1 m/s)? (enter ***YES*** or ***NO***)		*3d*	no
If 15th percentile crossing speed of pedestrians is less than 3.5 ft/s (1.1 m/s), then reduce *3c* by up to 50%.	% rate of reduction for *3c* (up to 50%)	*3e*	
	Reduced value or *3c*	*3f*	192
Result: The signal warrant is not met. Go to step 4.			
Step 4: Estimate pedestrian delay.			
Pedestrian crossing distance, curb to curb (ft), L		*4a*	47
Pedestrian walking speed (ft/s), S_p (suggested speed = 3.5 ft/s)		*4b*	3.5
Pedestrian start-up time and end clearance time (s), t_s (suggested start-up time = 3 sec)		*4c*	3
[Calculated automatically] Critical gap required for crossing pedestrian (s), t_c		*4d*	16
Major road volume, total both approaches OR approach being crossed if raised median island is present, during peak hour (veh/h), $V_{maj\text{-}d}$		*4e*	687
Major road flow rate (veh/s), v		*4f*	0.27
Average pedestrian delay (s/person), d_p		*4g*	293
Total pedestrian delay (h), D_p The value in 4h is the calculated estimated delay for all pedestrians crossing the major roadway without a crossing treatment (assumes 0% compliance). If the actual total pedestrian delay has been measured at the site, that value can be entered in 4i to replace the calculated value in 4h.		*4h*	1.6
		4i	0.009
Step 5: Select treatment based up on total pedestrian delay and expected motorist compliance.			
Expected motorist compliance at pedestrian crossings in region: enter ***HIGH for High Compliance*** or ***LOW for Low Compliance***		*5a*	high
Treatment Category:	**ACTIVE OR ENHANCED**		



This worksheet provides general recommendations on pedestrian crossing treatments to consider at unsignalized intersections; in all cases, engineering judgment should be used in selecting a specific treatment for installation. This worksheet does not apply to school crossings. In addition to the results provided by this worksheet, users should consider whether a pedestrian treatment could present an increased safety risk to pedestrians, such as where there is poor sight distance, complex geometrics, or nearby traffic signals.

APPENDIX E
Gap Study Results

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

Gap Study

Project: Memorial Drive Gap Study
Major Road: Memorial Dr
Intersection: Memorial Dr / Kaelyn Drive (east)
Peak Hour/Date of Field Visit: 1/16/2020
Weather:

Gap Size (Sec)	Number of Gaps							
	Period 1		Period 2		Period 3		Period 4	
	From: 7:15 ~~7:00~~ AM To: 7:30 ~~7:15~~ AM		From: 7:30 ~~7:15~~ AM To: 7:45 ~~7:30~~ AM		From: 7:45 ~~7:30~~ AM To: 8:00 ~~7:45~~ AM		From: 8:00 ~~7:45~~ AM To: 8:15 ~~8:00~~ AM	
	Tally	Total	Tally	Total	Tally	Total	Tally	Total
1			11	2				
2	111111	6	1111 1111 11	12	1111 1111 111	12	1111 1111 11	11
3	1111 1111 11	12	1111 1111 11	10	1111 1111 1111	14	1111 1111	8
4	111	3	111111	7	1111 1111 1111	14	11111	5
5	11111	5	111	3	1111 1111	10	1111 1111	9
6	11111	5	1111	4	1111	4	1111 1111	9
7	1111 1111	9	11111	5	1111 1111	8	11111	5
8	11	2	1	1	1	1	1111 11	6
9	1111	4	11	2	11	2	11111	5
10	1111	4	111	3	1111 111	7	111	3
11			11	2	1111	4	1	1
12	1	1	1	1	111	3	1111	4
13	11	2	111	3	111	3	11	2
14	11	2	11	2	11	2	11111	6
15	111	3	1	1	111	3	11	2
16			1	1			11	2
17	1	1	1	1	11	2	11	2
18			111	3	1	1		
19	1							
20			11	2				
21							1	1
22			1	1	1	1	11	2
23					1	1		
24					1	1	1	1
25	1	1			1	1	1	1
26					1	1		
27								
28								
29								
30								
31								
32			1	1				

36 35

33 1
42 1

45
32

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

Gap Study

Project: Memorial Drive Gap Study
Major Road: ~~Memorial Dr~~
Intersection: ~~Memorial Dr / Kerlyn Drive (east)~~
Peak Hour/Date of Field Visit: ~~1/16/2020~~
Weather:

Gap Size (Sec)	Number of Gaps							
	Period 1		Period 2		Period 3		Period 4	
	From: ~~3:00pm 7:00 AM~~ To: 3:15 ~~7:15 AM~~		From: 3:15 ~~7:15~~ AM To: 3:30 ~~7:30~~ AM		From: 3:30 ~~7:30 AM~~ To: 3:45 ~~7:45 AM~~		From: 3:45 ~~7:45 AM~~ To: 4:00pm 8:~~00 AM~~	
	Tally	Total	Tally	Total	Tally	Total	Tally	Total
1					1			
2	11				1111		1111	
3	1111 1111		1111		1111 1111 111		1111 1111	
4	1111 1111		1111 11		1111 1111 1111		1111 1111 1111	
5	1111 111		1111 1111		1111 1111 111		1111 1111 1111	
6	1111		1111 1111		1111		1111 111	
7	1111 1		1111		1111 1111		1111 1111	
8	1111 1111	8	1111	4	1111 1111	9	1111	4
9	11	2	1111	6	1111 1111 11	12	11	2
10	111	3	111	3	111	3	1	1
11	111	3	11	2	111	3		
12	1111 1111	10	111	3	1111	5	111	3
13	1	2	11	2	1111	5	11	2
14			1	1	1	1	1	1
15	111	3			11	2	11	2
16	11	2			11	2	1	1
17	1	1	111	3				
18	11	2	1111	4	1	1	1	1
19	11	2	1	1	1	1	1	1
20	1	1	11	2	1	1	1	1
21	111	3			1	1	11	2
22	1	1	11	2	1	1	111	3
23					11	2	1	1
24			1	1				
25	1	1			1	1		
26	1	1	1	1				
27			1	1				
28								
29			1	1			1	1
30								
31								
32							1	1

61 , 58 , 37 45 34 56 1

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

Gap Study

Project: Memorial Drive Gap Study
Major Road: Memorial Drive
Intersection: Memorial Dr / Karlyn Drive (east)
Peak Hour/Date of Field Visit: 1/16/2020
Weather:

Gap Size (Sec)	Number of Gaps							
	Period 1		Period 2		Period 3		Period 4	
	From: 4:45 7:~~00 AM~~ PM To: 5:00 7:~~15 AM~~ PM		From: 5:00 7:~~15 AM~~ To: 5:15 7:~~30 AM~~		From: 5:15 7:~~30 AM~~ PM To: 5:30 7:~~45 AM~~ PM		From: ~~5:30~~ 7:~~45 AM~~ PM To: 5:45 8:~~00 AM~~ PM	
	Tally	Total	Tally	Total	Tally	Total	Tally	Total
1								
2								
3								
4								
5								
6								
7								
8		9		3		5		7
9		2		5		3		4
10		2		5		5		
11		3		3		4		5
12		3		4		3		3
13		3		1				3
14		4				2		7
15				1				
16		1		1				2
17		1		1		2		
18								
19				2				
20		1		2		4		
21		1		1		1		3
22		1		2		1		1
23		1				1		
24								
25		1		1				2
26		1				2		
27				1				
28		1						1
29		1						1
30								
31		2						
32								
	40	1	35				36	

Name: Memorial Drive WB Traffic
Date/Time: 9/28/2022 3:07:25 PM
Site Code:
Station ID:
Location 1:
Location 2:
Location 3:
Location 4:
Latitude: 0.000000
Longitude: 0.000000
Channels: , Channel 1 - Direction X, Lane 1, Channel 2 - Direction X, Lane 2
Filters Applied: None

85th	50th	Avg Gap	AM Gap	PM gap
39.76774	**34.79678**	**28.25543**		
		29-Sep		118
		30-Sep	231	121
		1-Oct	62	
		average		119.5

Date	Time	Channel	Speed	Gap	
9/28/2022	4:30:58 PM	1	34.79678	56	1
9/28/2022	4:31:04 PM	1	45.36008	6	0
9/28/2022	4:31:06 PM	1	44.73871	2	0
9/28/2022	4:31:31 PM	1	42.8746	24	1
9/28/2022	4:31:41 PM	1	30.44718	9	1
9/28/2022	4:31:57 PM	1	19.88387	16	1
9/28/2022	4:32:10 PM	1	33.55403	13	1
9/28/2022	4:32:24 PM	1	30.44718	14	1
9/28/2022	4:32:59 PM	1	35.41814	35	1
9/28/2022	4:33:11 PM	1	23.6121	12	1
9/28/2022	4:33:46 PM	1	36.66089	34	1
9/28/2022	4:33:49 PM	1	36.66089	3	0
9/28/2022	4:33:51 PM	1	41.63186	2	0
9/28/2022	4:34:53 PM	1	26.71895	61	1
9/28/2022	4:34:56 PM	1	31.06855	2	0
9/28/2022	4:34:57 PM	1	31.06855	1.229	0
9/28/2022	4:35:13 PM	1	32.31129	16	1
9/28/2022	4:35:19 PM	1	41.01048	5	0
9/28/2022	4:35:22 PM	1	38.525	2	0
9/28/2022	4:35:53 PM	1	33.55403	31	1
9/28/2022	4:36:16 PM	1	32.93266	23	1
9/28/2022	4:36:19 PM	1	32.93266	2	0
9/28/2022	4:36:22 PM	1	31.06855	3	0
9/28/2022	4:36:53 PM	1	36.66089	31	1
9/28/2022	4:36:54 PM	1	36.66089	1.158	0
9/28/2022	4:37:34 PM	1	34.79678	40	1
9/28/2022	4:38:03 PM	1	26.71895	28	1
9/28/2022	4:38:04 PM	1	26.71895	0.977	0
9/28/2022	4:38:26 PM	1	34.1754	21	1
9/28/2022	4:38:28 PM	1	33.55403	2	0
9/28/2022	4:38:34 PM	1	31.06855	6	0
9/28/2022	4:38:47 PM	1	31.68992	13	1
9/28/2022	4:38:55 PM	1	35.41814	8	1
9/28/2022	4:38:59 PM	1	37.90363	4	0
9/28/2022	4:39:04 PM	1	43.49597	4	0
9/28/2022	4:39:11 PM	1	34.79678	6	0
9/28/2022	4:39:28 PM	1	39.14637	17	1
9/28/2022	4:39:39 PM	1	36.66089	11	1
9/28/2022	4:39:47 PM	1	45.36008	8	1
9/28/2022	4:40:22 PM	1	37.90363	34	1
9/28/2022	4:40:37 PM	1	33.55403	14	1
9/28/2022	4:40:59 PM	1	36.03952	22	1
9/28/2022	4:41:00 PM	1	36.03952	1.003	0
9/28/2022	4:41:06 PM	1	41.01048	5	0
9/28/2022	4:41:10 PM	1	35.41814	5	0
9/28/2022	4:41:16 PM	1	36.03952	5	0
9/28/2022	4:41:18 PM	1	35.41814	2	0
9/28/2022	4:41:29 PM	1	43.49597	11	1
9/28/2022	4:42:23 PM	1	32.93266	53	1
9/28/2022	4:42:40 PM	1	35.41814	16	1
9/28/2022	4:42:46 PM	1	38.525	6	0
9/28/2022	4:42:59 PM	1	36.03952	12	1
9/28/2022	4:43:16 PM	1	32.31129	17	1
9/28/2022	4:43:48 PM	1	31.68992	31	1

9/28/2022	4:44:31 PM	1	31.06855	43	1
9/28/2022	4:45:00 PM	1	37.90363	28	1
9/28/2022	4:45:01 PM	1	37.90363	0	0
9/28/2022	4:45:22 PM	1	35.41814	21	1
9/28/2022	4:46:16 PM	1	35.41814	54	1
9/28/2022	4:46:20 PM	1	21.74798	4	0
9/28/2022	4:46:25 PM	1	36.03952	4	0
9/28/2022	4:46:48 PM	1	31.06855	23	1
9/28/2022	4:48:30 PM	1	38.525	102	1
9/28/2022	4:48:31 PM	1	38.525	1.088	0
9/28/2022	4:48:34 PM	1	37.28226	2	0
9/28/2022	4:48:40 PM	1	36.66089	6	0
9/28/2022	4:48:42 PM	1	36.66089	2	0
9/28/2022	4:48:44 PM	1	36.66089	1.481	0
9/28/2022	4:49:22 PM	1	34.1754	38	1
9/28/2022	4:49:36 PM	1	32.31129	13	1
9/28/2022	4:49:42 PM	1	35.41814	6	0
9/28/2022	4:49:54 PM	1	40.38911	12	1
9/28/2022	4:50:03 PM	1	41.01048	9	1
9/28/2022	4:50:07 PM	1	31.06855	4	0
9/28/2022	4:50:57 PM	1	43.49597	49	1
9/28/2022	4:51:04 PM	1	32.31129	7	0
9/28/2022	4:51:07 PM	1	30.44718	2	0
9/28/2022	4:51:11 PM	1	34.1754	4	0
9/28/2022	4:51:13 PM	1	34.1754	1.449	0
9/28/2022	4:51:16 PM	1	36.03952	2	0
9/28/2022	4:51:18 PM	1	35.41814	2	0
9/28/2022	4:51:20 PM	1	34.79678	2	0
9/28/2022	4:51:32 PM	1	30.44718	11	1
9/28/2022	4:52:41 PM	1	38.525	70	1
9/28/2022	4:53:06 PM	1	34.1754	24	1
9/28/2022	4:53:23 PM	1	36.03952	17	1
9/28/2022	4:53:29 PM	1	31.06855	6	0
9/28/2022	4:53:45 PM	1	32.93266	15	1
9/28/2022	4:53:47 PM	1	32.93266	2	0
9/28/2022	4:53:50 PM	1	33.55403	2	0
9/28/2022	4:53:54 PM	1	33.55403	3	0
9/28/2022	4:53:58 PM	1	39.14637	4	0
9/28/2022	4:54:13 PM	1	36.66089	14	1
9/28/2022	4:54:57 PM	1	38.525	44	1
9/28/2022	4:55:13 PM	1	37.28226	16	1
9/28/2022	4:55:41 PM	1	35.41814	27	1
9/28/2022	4:55:53 PM	1	31.68992	12	1
9/28/2022	4:55:56 PM	1	31.68992	3	0
9/28/2022	4:55:57 PM	1	31.68992	0.799	0
9/28/2022	4:56:01 PM	1	36.03952	3	0
9/28/2022	4:56:26 PM	1	36.03952	25	1
9/28/2022	4:56:52 PM	1	26.09758	25	1
9/28/2022	4:57:02 PM	1	36.03952	10	1
9/28/2022	4:57:42 PM	1	41.01048	40	1
9/28/2022	4:58:46 PM	1	38.525	63	1
9/28/2022	4:58:48 PM	1	36.66089	2	0
9/28/2022	4:58:50 PM	1	36.66089	2	0
9/28/2022	4:58:51 PM	1	36.66089	0.861	0
9/28/2022	4:59:00 PM	1	37.90363	8	1
9/28/2022	4:59:05 PM	1	41.01048	5	0
9/28/2022	4:59:10 PM	1	39.14637	4	0
9/28/2022	4:59:41 PM	1	37.28226	31	1
9/28/2022	4:59:44 PM	1	36.03952	3	0
9/28/2022	4:59:48 PM	1	38.525	4	0
9/28/2022	4:59:55 PM	1	44.73871	6	0
9/28/2022	5:00:09 PM	1	41.01048	15	1
9/28/2022	5:00:59 PM	1	36.03952	49	1
9/28/2022	5:01:02 PM	1	38.525	3	0
9/28/2022	5:01:08 PM	1	37.90363	6	0
9/28/2022	5:01:18 PM	1	32.93266	10	1
9/28/2022	5:01:39 PM	1	36.03952	21	1

9/28/2022	5:01:46 PM	1	36.03952	6	0
9/28/2022	5:01:48 PM	1	36.03952	1.552	0
9/28/2022	5:01:49 PM	1	37.28226	2	0
9/28/2022	5:02:02 PM	1	37.90363	13	1
9/28/2022	5:02:30 PM	1	34.1754	27	1
9/28/2022	5:02:35 PM	1	34.1754	5	0
9/28/2022	5:02:50 PM	1	32.93266	14	1
9/28/2022	5:02:50 PM	1	32.93266	0.588	0
9/28/2022	5:03:18 PM	1	37.90363	27	1
9/28/2022	5:03:24 PM	1	35.41814	6	0
9/28/2022	5:04:01 PM	1	32.93266	37	1
9/28/2022	5:04:18 PM	1	37.28226	17	1
9/28/2022	5:04:25 PM	1	39.76774	6	0
9/28/2022	5:04:32 PM	1	44.73871	7	0
9/28/2022	5:04:40 PM	1	32.93266	7	0
9/28/2022	5:05:03 PM	1	34.1754	23	1
9/28/2022	5:05:04 PM	1	34.1754	0.853	0
9/28/2022	5:05:20 PM	1	35.41814	15	1
9/28/2022	5:05:38 PM	1	26.71895	17	1
9/28/2022	5:06:03 PM	1	39.14637	25	1
9/28/2022	5:06:07 PM	1	37.90363	4	0
9/28/2022	5:06:18 PM	1	32.93266	11	1
9/28/2022	5:06:58 PM	1	34.79678	40	1
9/28/2022	5:07:00 PM	1	36.66089	1.503	0
9/28/2022	5:07:50 PM	1	40.38911	50	1
9/28/2022	5:08:02 PM	1	35.41814	11	1
9/28/2022	5:08:03 PM	1	35.41814	1.064	0
9/28/2022	5:08:05 PM	1	34.1754	2	0
9/28/2022	5:08:40 PM	1	37.28226	34	1
9/28/2022	5:08:44 PM	1	32.93266	4	0
9/28/2022	5:09:03 PM	1	27.96169	18	1
9/28/2022	5:09:05 PM	1	27.96169	1.432	0
9/28/2022	5:09:10 PM	1	31.68992	5	0
9/28/2022	5:09:12 PM	1	31.68992	1.249	0
9/28/2022	5:09:21 PM	1	35.41814	10	1
9/28/2022	5:09:35 PM	1	41.01048	14	1
9/28/2022	5:09:39 PM	1	42.25323	4	0
9/28/2022	5:09:47 PM	1	28.58307	7	0
9/28/2022	5:09:58 PM	1	29.82581	11	1
9/28/2022	5:10:11 PM	1	32.31129	12	1
9/28/2022	5:10:12 PM	1	32.31129	1.157	0
9/28/2022	5:10:20 PM	1	39.14637	8	1
9/28/2022	5:10:23 PM	1	35.41814	3	0
9/28/2022	5:10:25 PM	1	36.03952	1.385	0
9/28/2022	5:11:30 PM	1	30.44718	65	1
9/28/2022	5:11:49 PM	1	32.93266	18	1
9/28/2022	5:11:52 PM	1	36.66089	3	0
9/28/2022	5:12:14 PM	1	34.1754	22	1
9/28/2022	5:12:18 PM	1	36.66089	3	0
9/28/2022	5:12:43 PM	1	32.31129	25	1
9/28/2022	5:12:48 PM	1	34.1754	5	0
9/28/2022	5:12:49 PM	1	34.1754	0.93	0
9/28/2022	5:12:53 PM	1	36.03952	4	0
9/28/2022	5:12:57 PM	1	41.63186	3	0
9/28/2022	5:13:01 PM	1	39.76774	4	0
9/28/2022	5:13:07 PM	1	41.63186	6	0
9/28/2022	5:13:11 PM	1	42.8746	3	0
9/28/2022	5:13:17 PM	1	27.34032	6	0
9/28/2022	5:13:20 PM	1	32.31129	2	0
9/28/2022	5:13:36 PM	1	30.44718	16	1
9/28/2022	5:13:44 PM	1	37.28226	7	0
9/28/2022	5:13:52 PM	1	33.55403	8	1
9/28/2022	5:13:55 PM	1	37.90363	3	0
9/28/2022	5:13:58 PM	1	32.93266	3	0
9/28/2022	5:14:04 PM	1	34.1754	6	0
9/28/2022	5:14:37 PM	1	36.03952	32	1
9/28/2022	5:14:55 PM	1	35.41814	18	1

9/28/2022	5:14:57 PM	1	35.41814	0.968	0
9/28/2022	5:14:59 PM	1	35.41814	2	0
9/28/2022	5:15:04 PM	1	37.28226	5	0
9/28/2022	5:15:16 PM	1	31.68992	12	1
9/28/2022	5:15:26 PM	1	38.525	10	1
9/28/2022	5:15:53 PM	1	30.44718	26	1
9/28/2022	5:15:54 PM	1	30.44718	0.908	0
9/28/2022	5:16:56 PM	1	41.01048	62	1
9/28/2022	5:17:02 PM	1	37.28226	6	0
9/28/2022	5:17:08 PM	1	39.76774	5	0
9/28/2022	5:17:10 PM	1	41.01048	2	0
9/28/2022	5:17:18 PM	1	34.1754	7	0
9/28/2022	5:17:19 PM	1	34.1754	1.144	0
9/28/2022	5:18:53 PM	1	37.28226	93	1
9/28/2022	5:18:55 PM	1	34.1754	2	0
9/28/2022	5:18:58 PM	1	36.03952	2	0
9/28/2022	5:19:05 PM	1	37.90363	7	0
9/28/2022	5:19:10 PM	1	39.14637	5	0
9/28/2022	5:19:14 PM	1	41.01048	4	0
9/28/2022	5:19:35 PM	1	39.14637	21	1
9/28/2022	5:20:03 PM	1	41.01048	28	1
9/28/2022	5:20:22 PM	1	37.90363	19	1
9/28/2022	5:20:28 PM	1	31.68992	5	0
9/28/2022	5:20:44 PM	1	35.41814	16	1
9/28/2022	5:20:50 PM	1	30.44718	5	0
9/28/2022	5:20:51 PM	1	30.44718	0.568	0
9/28/2022	5:21:00 PM	1	29.20444	9	1
9/28/2022	5:21:08 PM	1	42.8746	7	0
9/28/2022	5:22:19 PM	1	36.03952	72	1
9/28/2022	5:23:15 PM	1	31.06855	56	1
9/28/2022	5:23:17 PM	1	29.82581	1.224	0
9/28/2022	5:23:25 PM	1	36.03952	8	1
9/28/2022	5:23:29 PM	1	45.98145	4	0
9/28/2022	5:23:47 PM	1	30.44718	17	1
9/28/2022	5:23:52 PM	1	32.93266	4	0
9/28/2022	5:24:28 PM	1	34.1754	36	1
9/28/2022	5:24:48 PM	1	37.90363	20	1
9/28/2022	5:24:50 PM	1	37.90363	2	0
9/28/2022	5:25:03 PM	1	47.84557	13	1
9/28/2022	5:25:08 PM	1	41.63186	4	0
9/28/2022	5:25:39 PM	1	36.66089	31	1
9/28/2022	5:25:41 PM	1	36.66089	1.171	0
9/28/2022	5:25:52 PM	1	35.41814	12	1
9/28/2022	5:25:53 PM	1	35.41814	0.653	0
9/28/2022	5:25:59 PM	1	33.55403	5	0
9/28/2022	5:26:06 PM	1	32.31129	7	0
9/28/2022	5:26:35 PM	1	40.38911	29	1
9/28/2022	5:27:19 PM	1	33.55403	44	1
9/28/2022	5:27:21 PM	1	33.55403	2	0
9/28/2022	5:28:03 PM	1	33.55403	41	1
9/28/2022	5:28:34 PM	1	33.55403	31	1
9/28/2022	5:28:38 PM	1	38.525	4	0
9/28/2022	5:28:40 PM	1	36.66089	2	0
9/28/2022	5:29:06 PM	1	30.44718	26	1
9/28/2022	5:29:28 PM	1	34.79678	21	1
9/28/2022	5:29:35 PM	1	34.79678	8	1
9/29/2022	7:00:56 AM	1	59.03024	62	1
9/29/2022	7:01:24 AM	1	34.1754	27	1
9/29/2022	7:02:14 AM	1	27.96169	50	1
9/29/2022	7:02:21 AM	1	35.41814	7	0
9/29/2022	7:02:27 AM	1	32.93266	6	0
9/29/2022	7:02:29 AM	1	36.66089	2	0
9/29/2022	7:02:56 AM	1	27.96169	27	1
9/29/2022	7:03:20 AM	1	27.34032	22	1
9/29/2022	7:03:24 AM	1	34.79678	4	0
9/29/2022	7:03:41 AM	1	31.06855	17	1
9/29/2022	7:03:50 AM	1	34.1754	8	1

9/29/2022	7:04:23 AM	1	34.79678	33	1
9/29/2022	7:04:40 AM	1	31.68992	15	1
9/29/2022	7:05:03 AM	1	33.55403	23	1
9/29/2022	7:06:50 AM	1	36.66089	107	1
9/29/2022	7:07:35 AM	1	41.01048	44	1
9/29/2022	7:08:13 AM	1	28.58307	38	1
9/29/2022	7:08:15 AM	1	28.58307	3	0
9/29/2022	7:08:42 AM	1	42.8746	26	1
9/29/2022	7:08:47 AM	1	36.03952	5	0
9/29/2022	7:08:51 AM	1	41.63186	4	0
9/29/2022	7:09:12 AM	1	33.55403	21	1
9/29/2022	7:09:21 AM	1	31.68992	8	1
9/29/2022	7:09:53 AM	1	37.90363	31	1
9/29/2022	7:09:57 AM	1	39.14637	4	0
9/29/2022	7:10:04 AM	1	38.525	6	0
9/29/2022	7:10:22 AM	1	32.31129	18	1
9/29/2022	7:10:47 AM	1	16.15565	24	1
9/29/2022	7:11:28 AM	1	37.90363	41	1
9/29/2022	7:12:04 AM	1	32.93266	36	1
9/29/2022	7:12:10 AM	1	32.93266	6	0
9/29/2022	7:12:11 AM	1	32.93266	1.048	0
9/29/2022	7:12:13 AM	1	36.66089	2	0
9/29/2022	7:12:16 AM	1	39.76774	2	0
9/29/2022	7:12:51 AM	1	31.68992	35	1
9/29/2022	7:12:54 AM	1	39.76774	2	0
9/29/2022	7:13:00 AM	1	36.03952	6	0
9/29/2022	7:13:12 AM	1	34.79678	12	1
9/29/2022	7:13:37 AM	1	34.79678	24	1
9/29/2022	7:13:44 AM	1	30.44718	7	0
9/29/2022	7:13:49 AM	1	41.01048	5	0
9/29/2022	7:14:09 AM	1	31.06855	20	1
9/29/2022	7:14:18 AM	1	38.525	8	1
9/29/2022	7:14:46 AM	1	31.68992	28	1
9/29/2022	7:14:57 AM	1	37.90363	11	1
9/29/2022	7:14:59 AM	1	38.525	2	0
9/29/2022	7:17:20 AM	1	29.82581	141	1
9/29/2022	7:17:40 AM	1	27.96169	19	1
9/29/2022	7:17:50 AM	1	35.41814	10	1
9/29/2022	7:17:58 AM	1	39.76774	8	1
9/29/2022	7:18:26 AM	1	36.03952	27	1
9/29/2022	7:18:48 AM	1	36.03952	22	1
9/29/2022	7:19:11 AM	1	42.25323	23	1
9/29/2022	7:19:34 AM	1	41.63186	23	1
9/29/2022	7:19:40 AM	1	39.76774	5	0
9/29/2022	7:20:09 AM	1	38.525	29	1
9/29/2022	7:20:51 AM	1	34.79678	42	1
9/29/2022	7:20:55 AM	1	40.38911	3	0
9/29/2022	7:21:27 AM	1	27.96169	32	1
9/29/2022	7:23:05 AM	1	35.41814	98	1
9/29/2022	7:23:11 AM	1	32.31129	6	0
9/29/2022	7:23:17 AM	1	42.8746	5	0
9/29/2022	7:23:44 AM	1	37.90363	27	1
9/29/2022	7:23:47 AM	1	36.66089	3	0
9/29/2022	7:23:49 AM	1	36.03952	2	0
9/29/2022	7:24:26 AM	1	34.79678	37	1
9/29/2022	7:24:30 AM	1	33.55403	4	0
9/29/2022	7:24:43 AM	1	41.01048	12	1
9/29/2022	7:25:08 AM	1	37.28226	25	1
9/29/2022	7:25:22 AM	1	35.41814	14	1
9/29/2022	7:25:29 AM	1	39.76774	6	0
9/29/2022	7:25:58 AM	1	34.1754	28	1
9/29/2022	7:26:09 AM	1	35.41814	10	1
9/29/2022	7:26:09 AM	1	34.79678	0.337	0
9/29/2022	7:26:14 AM	1	42.8746	4	0
9/29/2022	7:26:20 AM	1	31.68992	6	0
9/29/2022	7:26:55 AM	1	41.63186	35	1
9/29/2022	7:26:57 AM	1	42.8746	2	0

9/29/2022	7:27:17 AM	1	34.79678	19	1
9/29/2022	7:27:28 AM	1	31.68992	11	1
9/29/2022	7:27:46 AM	1	24.23347	17	1
9/29/2022	7:27:47 AM	1	24.23347	0.445	0
9/29/2022	7:27:48 AM	1	24.23347	2	0
9/29/2022	7:27:51 AM	1	24.23347	2	0
9/29/2022	7:27:52 AM	1	24.23347	1.236	0
9/29/2022	7:27:55 AM	1	25.47621	3	0
9/29/2022	7:27:57 AM	1	25.47621	2	0
9/29/2022	7:28:42 AM	1	46.60282	44	1
9/29/2022	7:28:57 AM	1	35.41814	15	1
9/29/2022	7:29:43 AM	1	38.525	46	1
9/29/2022	7:30:19 AM	1	35.41814	36	1
9/29/2022	7:30:20 AM	1	35.41814	1.196	0
9/29/2022	7:30:58 AM	1	36.03952	37	1
9/29/2022	7:31:18 AM	1	37.90363	20	1
9/29/2022	7:31:19 AM	1	37.90363	0.991	0
9/29/2022	7:31:24 AM	1	37.90363	5	0
9/29/2022	7:32:06 AM	1	34.1754	42	1
9/29/2022	7:32:55 AM	1	37.90363	48	1
9/29/2022	7:33:07 AM	1	31.06855	12	1
9/29/2022	7:33:44 AM	1	35.41814	37	1
9/29/2022	7:33:48 AM	1	34.1754	4	0
9/29/2022	7:33:55 AM	1	35.41814	7	0
9/29/2022	7:34:03 AM	1	31.68992	7	0
9/29/2022	7:34:08 AM	1	31.68992	5	0
9/29/2022	7:34:21 AM	1	32.31129	12	1
9/29/2022	7:34:36 AM	1	37.28226	14	1
9/29/2022	7:34:38 AM	1	40.38911	2	0
9/29/2022	7:34:47 AM	1	37.90363	8	1
9/29/2022	7:34:54 AM	1	32.31129	7	0
9/29/2022	7:35:49 AM	1	24.23347	54	1
9/29/2022	7:35:52 AM	1	31.06855	3	0
9/29/2022	7:35:56 AM	1	36.66089	3	0
9/29/2022	7:36:05 AM	1	32.93266	9	1
9/29/2022	7:36:30 AM	1	29.82581	24	1
9/29/2022	7:36:37 AM	1	43.49597	7	0
9/29/2022	7:36:37 AM	1	43.49597	0.426	0
9/29/2022	7:37:05 AM	1	32.31129	27	1
9/29/2022	7:37:12 AM	1	34.79678	7	0
9/29/2022	7:37:17 AM	1	29.82581	5	0
9/29/2022	7:37:24 AM	1	39.14637	7	0
9/29/2022	7:37:33 AM	1	34.79678	9	1
9/29/2022	7:37:34 AM	1	34.79678	1.171	0
9/29/2022	7:37:43 AM	1	30.44718	8	1
9/29/2022	7:37:47 AM	1	37.90363	4	0
9/29/2022	7:37:50 AM	1	36.66089	3	0
9/29/2022	7:38:00 AM	1	32.31129	9	1
9/29/2022	7:38:02 AM	1	32.31129	2	0
9/29/2022	7:38:03 AM	1	32.31129	1.045	0
9/29/2022	7:38:07 AM	1	34.79678	3	0
9/29/2022	7:38:13 AM	1	35.41814	6	0
9/29/2022	7:38:28 AM	1	37.90363	14	1
9/29/2022	7:38:30 AM	1	34.1754	3	0
9/29/2022	7:38:35 AM	1	37.90363	4	0
9/29/2022	7:38:39 AM	1	39.14637	3	0
9/29/2022	7:38:46 AM	1	35.41814	7	0
9/29/2022	7:38:51 AM	1	34.79678	5	0
9/29/2022	7:38:55 AM	1	33.55403	4	0
9/29/2022	7:38:58 AM	1	34.1754	3	0
9/29/2022	7:39:01 AM	1	28.58307	3	0
9/29/2022	7:39:48 AM	1	36.03952	47	1
9/29/2022	7:39:51 AM	1	36.03952	3	0
9/29/2022	7:39:56 AM	1	36.03952	5	0
9/29/2022	7:40:02 AM	1	36.66089	6	0
9/29/2022	7:40:04 AM	1	36.66089	1.286	0
9/29/2022	7:40:07 AM	1	34.79678	3	0

9/29/2022	7:41:57 AM	1	31.06855	110	1
9/29/2022	7:41:59 AM	1	34.79678	2	0
9/29/2022	7:42:01 AM	1	34.1754	2	0
9/29/2022	7:42:04 AM	1	31.06855	3	0
9/29/2022	7:42:09 AM	1	34.79678	4	0
9/29/2022	7:42:10 AM	1	34.79678	0.964	0
9/29/2022	7:42:12 AM	1	34.79678	2	0
9/29/2022	7:42:38 AM	1	42.25323	25	1
9/29/2022	7:42:45 AM	1	40.38911	7	0
9/29/2022	7:43:21 AM	1	37.90363	36	1
9/29/2022	7:43:30 AM	1	34.79678	9	1
9/29/2022	7:43:48 AM	1	36.66089	18	1
9/29/2022	7:43:56 AM	1	43.49597	8	1
9/29/2022	7:43:58 AM	1	42.25323	2	0
9/29/2022	7:44:34 AM	1	41.01048	36	1
9/29/2022	7:45:15 AM	1	31.68992	40	1
9/29/2022	7:45:19 AM	1	37.28226	4	0
9/29/2022	7:45:27 AM	1	39.76774	8	1
9/29/2022	7:46:10 AM	1	34.79678	43	1
9/29/2022	7:46:17 AM	1	36.03952	7	0
9/29/2022	7:46:35 AM	1	36.03952	17	1
9/29/2022	7:46:55 AM	1	36.03952	20	1
9/29/2022	7:46:56 AM	1	36.03952	0.981	0
9/29/2022	7:47:07 AM	1	27.34032	10	1
9/29/2022	7:47:10 AM	1	27.34032	2	0
9/29/2022	7:47:11 AM	1	27.34032	0.787	0
9/29/2022	7:47:20 AM	1	27.96169	8	1
9/29/2022	7:47:35 AM	1	38.525	15	1
9/29/2022	7:47:38 AM	1	35.41814	3	0
9/29/2022	7:47:41 AM	1	37.90363	2	0
9/29/2022	7:48:24 AM	1	39.76774	42	1
9/29/2022	7:48:46 AM	1	34.1754	23	1
9/29/2022	7:48:48 AM	1	34.1754	1.11	0
9/29/2022	7:48:49 AM	1	34.1754	0.706	0
9/29/2022	7:48:53 AM	1	34.79678	4	0
9/29/2022	7:49:26 AM	1	33.55403	33	1
9/29/2022	7:49:28 AM	1	39.14637	2	0
9/29/2022	7:49:30 AM	1	33.55403	2	0
9/29/2022	7:49:33 AM	1	36.03952	2	0
9/29/2022	7:49:36 AM	1	34.79678	3	0
9/29/2022	7:49:59 AM	1	37.28226	23	1
9/29/2022	7:50:16 AM	1	35.41814	16	1
9/29/2022	7:50:19 AM	1	31.68992	3	0
9/29/2022	7:50:41 AM	1	33.55403	21	1
9/29/2022	7:50:48 AM	1	37.28226	7	0
9/29/2022	7:50:59 AM	1	29.20444	11	1
9/29/2022	7:51:57 AM	1	37.28226	58	1
9/29/2022	7:52:03 AM	1	34.79678	6	0
9/29/2022	7:52:20 AM	1	39.14637	17	1
9/29/2022	7:52:29 AM	1	42.25323	9	1
9/29/2022	7:52:34 AM	1	37.28226	5	0
9/29/2022	7:52:39 AM	1	36.66089	4	0
9/29/2022	7:52:42 AM	1	39.76774	3	0
9/29/2022	7:52:45 AM	1	35.41814	3	0
9/29/2022	7:52:52 AM	1	34.1754	6	0
9/29/2022	7:52:57 AM	1	34.1754	5	0
9/29/2022	7:53:00 AM	1	35.41814	3	0
9/29/2022	7:53:20 AM	1	38.525	19	1
9/29/2022	7:53:31 AM	1	33.55403	11	1
9/29/2022	7:53:51 AM	1	41.63186	20	1
9/29/2022	7:54:12 AM	1	32.93266	20	1
9/29/2022	7:54:32 AM	1	24.23347	20	1
9/29/2022	7:54:38 AM	1	27.34032	6	0
9/29/2022	7:54:40 AM	1	27.34032	2	0
9/29/2022	7:54:46 AM	1	16.77702	6	0
9/29/2022	7:54:50 AM	1	24.23347	4	0
9/29/2022	7:55:07 AM	1	34.79678	16	1

9/29/2022	7:55:09 AM	1	34.79678	2	0
9/29/2022	7:55:11 AM	1	38.525	2	0
9/29/2022	7:55:44 AM	1	36.03952	31	1
9/29/2022	7:55:51 AM	1	37.28226	8	1
9/29/2022	7:56:10 AM	1	35.41814	18	1
9/29/2022	7:56:19 AM	1	42.25323	9	1
9/29/2022	7:56:30 AM	1	32.31129	10	1
9/29/2022	7:56:43 AM	1	31.68992	12	1
9/29/2022	7:56:54 AM	1	36.03952	10	1
9/29/2022	7:56:55 AM	1	36.03952	1.265	0
9/29/2022	7:56:56 AM	1	36.03952	1.007	0
9/29/2022	7:57:40 AM	1	32.31129	43	1
9/29/2022	7:57:58 AM	1	36.66089	18	1
9/29/2022	7:58:01 AM	1	36.03952	2	0
9/29/2022	7:58:16 AM	1	28.58307	15	1
9/29/2022	7:58:25 AM	1	36.03952	9	1
9/29/2022	7:58:30 AM	1	37.28226	4	0
9/29/2022	7:58:32 AM	1	36.03952	2	0
9/29/2022	7:58:39 AM	1	32.93266	6	0
9/29/2022	7:58:40 AM	1	32.93266	0.979	0
9/29/2022	7:59:41 AM	1	35.41814	61	1
9/29/2022	7:59:44 AM	1	36.66089	2	0
9/29/2022	7:59:45 AM	1	36.66089	0.879	0
9/29/2022	4:30:09 PM	1	29.20444	44	1
9/29/2022	4:30:12 PM	1	27.96169	2	0
9/29/2022	4:30:13 PM	1	27.96169	1.318	0
9/29/2022	4:30:16 PM	1	30.44718	2	0
9/29/2022	4:30:21 PM	1	34.1754	5	0
9/29/2022	4:30:36 PM	1	25.47621	15	1
9/29/2022	4:30:41 PM	1	35.41814	4	0
9/29/2022	4:30:58 PM	1	31.06855	17	1
9/29/2022	4:31:26 PM	1	31.06855	28	1
9/29/2022	4:31:32 PM	1	33.55403	6	0
9/29/2022	4:31:39 PM	1	32.93266	6	0
9/29/2022	4:31:46 PM	1	35.41814	7	0
9/29/2022	4:31:56 PM	1	36.66089	10	1
9/29/2022	4:32:06 PM	1	37.28226	9	1
9/29/2022	4:32:50 PM	1	34.79678	44	1
9/29/2022	4:33:19 PM	1	28.58307	28	1
9/29/2022	4:33:24 PM	1	44.73871	5	0
9/29/2022	4:33:29 PM	1	36.03952	5	0
9/29/2022	4:33:30 PM	1	36.03952	0.954	0
9/29/2022	4:34:05 PM	1	32.93266	34	1
9/29/2022	4:34:23 PM	1	40.38911	18	1
9/29/2022	4:34:37 PM	1	27.96169	14	1
9/29/2022	4:34:40 PM	1	32.93266	2	0
9/29/2022	4:34:43 PM	1	31.06855	2	0
9/29/2022	4:34:45 PM	1	31.68992	2	0
9/29/2022	4:35:21 PM	1	30.44718	36	1
9/29/2022	4:35:28 PM	1	25.47621	6	0
9/29/2022	4:36:12 PM	1	32.93266	43	1
9/29/2022	4:36:16 PM	1	32.93266	4	0
9/29/2022	4:36:27 PM	1	39.14637	11	1
9/29/2022	4:36:49 PM	1	37.90363	22	1
9/29/2022	4:37:05 PM	1	37.28226	16	1
9/29/2022	4:37:10 PM	1	37.28226	4	0
9/29/2022	4:37:13 PM	1	40.38911	3	0
9/29/2022	4:37:29 PM	1	31.68992	16	1
9/29/2022	4:37:32 PM	1	32.31129	3	0
9/29/2022	4:37:57 PM	1	36.66089	24	1
9/29/2022	4:38:32 PM	1	34.1754	35	1
9/29/2022	4:38:33 PM	1	34.1754	1.057	0
9/29/2022	4:38:37 PM	1	35.41814	4	0
9/29/2022	4:39:23 PM	1	29.20444	45	1
9/29/2022	4:39:28 PM	1	41.01048	5	0
9/29/2022	4:39:36 PM	1	37.28226	8	1
9/29/2022	4:39:43 PM	1	37.90363	7	0

9/29/2022	4:39:45 PM	1	37.90363	0.987	0
9/29/2022	4:40:11 PM	1	32.93266	26	1
9/29/2022	4:40:15 PM	1	25.47621	4	0
9/29/2022	4:40:21 PM	1	37.28226	5	0
9/29/2022	4:41:02 PM	1	37.90363	40	1
9/29/2022	4:41:04 PM	1	39.76774	2	0
9/29/2022	4:41:07 PM	1	37.90363	2	0
9/29/2022	4:41:14 PM	1	32.31129	7	0
9/29/2022	4:41:18 PM	1	45.36008	4	0
9/29/2022	4:41:22 PM	1	6.835081	3	0
9/29/2022	4:41:37 PM	1	38.525	14	1
9/29/2022	4:41:49 PM	1	27.34032	11	1
9/29/2022	4:42:03 PM	1	39.76774	13	1
9/29/2022	4:42:08 PM	1	37.90363	5	0
9/29/2022	4:42:10 PM	1	38.525	1.391	0
9/29/2022	4:42:14 PM	1	35.41814	4	0
9/29/2022	4:42:17 PM	1	38.525	3	0
9/29/2022	4:42:21 PM	1	37.28226	3	0
9/29/2022	4:42:24 PM	1	37.90363	2	0
9/29/2022	4:42:30 PM	1	34.79678	6	0
9/29/2022	4:42:40 PM	1	35.41814	10	1
9/29/2022	4:42:57 PM	1	33.55403	17	1
9/29/2022	4:43:03 PM	1	32.93266	6	0
9/29/2022	4:44:28 PM	1	36.03952	84	1
9/29/2022	4:45:00 PM	1	34.1754	32	1
9/29/2022	4:45:04 PM	1	37.28226	4	0
9/29/2022	4:45:13 PM	1	43.49597	8	1
9/29/2022	4:45:16 PM	1	53.4379	3	0
9/29/2022	4:45:20 PM	1	43.49597	4	0
9/29/2022	4:45:21 PM	1	43.49597	1.101	0
9/29/2022	4:46:21 PM	1	29.82581	60	1
9/29/2022	4:46:26 PM	1	34.1754	5	0
9/29/2022	4:46:43 PM	1	40.38911	17	1
9/29/2022	4:47:00 PM	1	34.1754	16	1
9/29/2022	4:47:21 PM	1	39.14637	21	1
9/29/2022	4:47:23 PM	1	39.14637	1.152	0
9/29/2022	4:47:29 PM	1	39.14637	6	0
9/29/2022	4:47:55 PM	1	24.85484	26	1
9/29/2022	4:48:32 PM	1	41.01048	36	1
9/29/2022	4:48:33 PM	1	41.01048	0.738	0
9/29/2022	4:48:47 PM	1	31.68992	14	1
9/29/2022	4:48:56 PM	1	37.90363	8	1
9/29/2022	4:49:06 PM	1	43.49597	10	1
9/29/2022	4:49:25 PM	1	49.08831	18	1
9/29/2022	4:49:30 PM	1	26.71895	4	0
9/29/2022	4:49:37 PM	1	37.90363	6	0
9/29/2022	4:50:20 PM	1	34.79678	43	1
9/29/2022	4:50:50 PM	1	40.38911	29	1
9/29/2022	4:50:55 PM	1	43.49597	5	0
9/29/2022	4:51:17 PM	1	45.36008	21	1
9/29/2022	4:51:22 PM	1	36.03952	4	0
9/29/2022	4:51:58 PM	1	39.76774	36	1
9/29/2022	4:52:08 PM	1	34.79678	10	1
9/29/2022	4:52:12 PM	1	39.14637	3	0
9/29/2022	4:52:14 PM	1	34.79678	2	0
9/29/2022	4:52:23 PM	1	27.34032	8	1
9/29/2022	4:52:49 PM	1	32.93266	26	1
9/29/2022	4:52:54 PM	1	43.49597	5	0
9/29/2022	4:53:07 PM	1	30.44718	12	1
9/29/2022	4:53:48 PM	1	33.55403	40	1
9/29/2022	4:53:52 PM	1	37.90363	4	0
9/29/2022	4:54:02 PM	1	31.68992	10	1
9/29/2022	4:54:40 PM	1	34.79678	38	1
9/29/2022	4:55:01 PM	1	37.28226	21	1
9/29/2022	4:55:07 PM	1	29.20444	6	0
9/29/2022	4:55:19 PM	1	36.03952	12	1
9/29/2022	4:55:40 PM	1	40.38911	20	1

9/29/2022	4:56:18 PM	1	45.36008	39	1
9/29/2022	4:56:26 PM	1	38.525	8	1
9/29/2022	4:56:52 PM	1	41.63186	26	1
9/29/2022	4:56:54 PM	1	34.79678	2	0
9/29/2022	4:57:20 PM	1	39.14637	26	1
9/29/2022	4:57:32 PM	1	36.66089	11	1
9/29/2022	4:57:37 PM	1	34.79678	5	0
9/29/2022	4:57:44 PM	1	35.41814	6	0
9/29/2022	4:57:46 PM	1	39.14637	2	0
9/29/2022	4:58:22 PM	1	31.06855	36	1
9/29/2022	4:58:25 PM	1	37.28226	3	0
9/29/2022	4:58:46 PM	1	34.1754	21	1
9/29/2022	4:59:44 PM	1	32.31129	58	1
9/29/2022	5:00:15 PM	1	36.66089	30	1
9/29/2022	5:00:17 PM	1	37.28226	2	0
9/29/2022	5:00:22 PM	1	37.90363	5	0
9/29/2022	5:00:59 PM	1	41.01048	37	1
9/29/2022	5:01:02 PM	1	39.14637	2	0
9/29/2022	5:01:06 PM	1	38.525	4	0
9/29/2022	5:01:52 PM	1	36.66089	46	1
9/29/2022	5:02:01 PM	1	37.90363	8	1
9/29/2022	5:02:22 PM	1	44.73871	21	1
9/29/2022	5:03:00 PM	1	28.58307	37	1
9/29/2022	5:03:00 PM	1	28.58307	0.506	0
9/29/2022	5:03:10 PM	1	37.90363	9	1
9/29/2022	5:03:40 PM	1	37.90363	30	1
9/29/2022	5:03:41 PM	1	37.90363	1.393	0
9/29/2022	5:03:44 PM	1	34.1754	2	0
9/29/2022	5:03:52 PM	1	39.14637	8	1
9/29/2022	5:04:00 PM	1	34.79678	9	1
9/29/2022	5:04:30 PM	1	36.03952	30	1
9/29/2022	5:04:33 PM	1	38.525	2	0
9/29/2022	5:04:37 PM	1	41.63186	3	0
9/29/2022	5:04:39 PM	1	36.03952	2	0
9/29/2022	5:04:43 PM	1	35.41814	4	0
9/29/2022	5:04:49 PM	1	36.03952	6	0
9/29/2022	5:05:23 PM	1	29.20444	34	1
9/29/2022	5:05:27 PM	1	39.76774	3	0
9/29/2022	5:05:35 PM	1	27.96169	8	1
9/29/2022	5:06:12 PM	1	37.28226	37	1
9/29/2022	5:06:14 PM	1	37.90363	1.342	0
9/29/2022	5:06:18 PM	1	36.03952	4	0
9/29/2022	5:07:10 PM	1	29.82581	51	1
9/29/2022	5:07:11 PM	1	29.82581	1.128	0
9/29/2022	5:07:46 PM	1	34.79678	35	1
9/29/2022	5:07:52 PM	1	29.20444	5	0
9/29/2022	5:07:56 PM	1	27.96169	4	0
9/29/2022	5:07:57 PM	1	27.96169	1.136	0
9/29/2022	5:07:59 PM	1	27.96169	1.177	0
9/29/2022	5:08:04 PM	1	32.93266	5	0
9/29/2022	5:08:13 PM	1	37.90363	8	1
9/29/2022	5:08:33 PM	1	37.28226	20	1
9/29/2022	5:08:35 PM	1	37.28226	2	0
9/29/2022	5:08:39 PM	1	41.01048	4	0
9/29/2022	5:08:47 PM	1	39.14637	7	0
9/29/2022	5:08:52 PM	1	33.55403	5	0
9/29/2022	5:08:55 PM	1	33.55403	3	0
9/29/2022	5:09:24 PM	1	29.20444	29	1
9/29/2022	5:09:34 PM	1	34.1754	10	1
9/29/2022	5:09:35 PM	1	34.1754	0.942	0
9/29/2022	5:10:05 PM	1	39.14637	30	1
9/29/2022	5:11:23 PM	1	34.1754	78	1
9/29/2022	5:11:30 PM	1	34.1754	6	0
9/29/2022	5:11:53 PM	1	44.73871	22	1
9/29/2022	5:12:01 PM	1	46.60282	7	0
9/29/2022	5:12:19 PM	1	40.38911	18	1
9/29/2022	5:13:20 PM	1	31.06855	61	1

9/29/2022	5:13:43 PM	1	35.41814	23	1
9/29/2022	5:13:52 PM	1	36.66089	9	1
9/29/2022	5:13:55 PM	1	37.90363	3	0
9/29/2022	5:14:01 PM	1	39.14637	6	0
9/29/2022	5:14:15 PM	1	34.1754	13	1
9/29/2022	5:14:21 PM	1	39.14637	6	0
9/29/2022	5:14:46 PM	1	35.41814	25	1
9/29/2022	5:15:19 PM	1	43.49597	33	1
9/29/2022	5:16:09 PM	1	39.14637	50	1
9/29/2022	5:16:17 PM	1	37.28226	8	1
9/29/2022	5:16:19 PM	1	40.38911	2	0
9/29/2022	5:16:54 PM	1	47.22419	34	1
9/29/2022	5:17:17 PM	1	38.525	23	1
9/29/2022	5:17:27 PM	1	32.31129	9	1
9/29/2022	5:18:06 PM	1	39.14637	40	1
9/29/2022	5:18:10 PM	1	39.14637	3	0
9/29/2022	5:18:29 PM	1	35.41814	19	1
9/29/2022	5:19:00 PM	1	33.55403	32	1
9/29/2022	5:19:06 PM	1	39.14637	5	0
9/29/2022	5:19:10 PM	1	37.90363	4	0
9/29/2022	5:19:34 PM	1	35.41814	23	1
9/29/2022	5:19:35 PM	1	36.03952	2	0
9/29/2022	5:19:38 PM	1	36.66089	2	0
9/29/2022	5:20:17 PM	1	36.03952	39	1
9/29/2022	5:20:18 PM	1	36.03952	0.94	0
9/29/2022	5:20:54 PM	1	36.03952	35	1
9/29/2022	5:21:02 PM	1	34.79678	8	1
9/29/2022	5:21:32 PM	1	40.38911	30	1
9/29/2022	5:21:39 PM	1	43.49597	7	0
9/29/2022	5:22:05 PM	1	33.55403	26	1
9/29/2022	5:22:13 PM	1	28.58307	8	1
9/29/2022	5:22:18 PM	1	31.06855	4	0
9/29/2022	5:22:23 PM	1	30.44718	5	0
9/29/2022	5:22:41 PM	1	49.70968	18	1
9/29/2022	5:22:46 PM	1	39.14637	5	0
9/29/2022	5:22:55 PM	1	32.93266	8	1
9/29/2022	5:23:18 PM	1	31.06855	23	1
9/29/2022	5:23:34 PM	1	41.01048	16	1
9/29/2022	5:24:16 PM	1	29.20444	41	1
9/29/2022	5:24:17 PM	1	29.20444	1.186	0
9/29/2022	5:24:19 PM	1	29.20444	2	0
9/29/2022	5:24:26 PM	1	34.79678	7	0
9/29/2022	5:24:29 PM	1	32.31129	3	0
9/29/2022	5:24:32 PM	1	33.55403	3	0
9/29/2022	5:25:42 PM	1	38.525	69	1
9/29/2022	5:25:48 PM	1	34.79678	6	0
9/29/2022	5:25:49 PM	1	43.49597	2	0
9/29/2022	5:26:41 PM	1	30.44718	51	1
9/29/2022	5:26:56 PM	1	34.1754	14	1
9/29/2022	5:27:01 PM	1	39.76774	6	0
9/29/2022	5:27:05 PM	1	46.60282	4	0
9/29/2022	5:28:01 PM	1	36.03952	55	1
9/29/2022	5:28:22 PM	1	31.06855	21	1
9/29/2022	5:28:28 PM	1	34.1754	5	0
9/29/2022	5:28:29 PM	1	34.1754	0.984	0
9/29/2022	5:28:31 PM	1	34.1754	1.454	0
9/29/2022	5:28:32 PM	1	34.1754	0.894	0
9/29/2022	5:28:37 PM	1	32.93266	5	0
9/29/2022	5:29:21 PM	1	38.525	44	1
9/29/2022	5:29:24 PM	1	44.11734	3	0
9/29/2022	5:29:29 PM	1	41.63186	5	0
9/29/2022	5:29:32 PM	1	41.01048	3	0
9/30/2022	7:00:49 AM	1	31.68992	66	1
9/30/2022	7:01:07 AM	1	39.14637	17	1
9/30/2022	7:01:24 AM	1	30.44718	18	1
9/30/2022	7:01:28 AM	1	35.41814	3	0
9/30/2022	7:02:22 AM	1	52.81653	54	1

9/30/2022	7:02:31 AM	1	40.38911	9	1
9/30/2022	7:02:55 AM	1	31.68992	24	1
9/30/2022	7:03:42 AM	1	36.03952	46	1
9/30/2022	7:03:47 AM	1	36.66089	4	0
9/30/2022	7:04:29 AM	1	40.38911	42	1
9/30/2022	7:05:04 AM	1	31.68992	34	1
9/30/2022	7:05:15 AM	1	33.55403	9	1
9/30/2022	7:05:32 AM	1	32.31129	17	1
9/30/2022	7:05:37 AM	1	35.41814	4	0
9/30/2022	7:05:40 AM	1	36.03952	3	0
9/30/2022	7:05:48 AM	1	35.41814	8	1
9/30/2022	7:06:07 AM	1	31.68992	19	1
9/30/2022	7:06:20 AM	1	31.68992	12	1
9/30/2022	7:06:25 AM	1	30.44718	4	0
9/30/2022	7:06:37 AM	1	31.06855	12	1
9/30/2022	7:06:43 AM	1	26.09758	6	0
9/30/2022	7:06:50 AM	1	30.44718	6	0
9/30/2022	7:06:53 AM	1	31.06855	3	0
9/30/2022	7:07:15 AM	1	40.38911	22	1
9/30/2022	7:07:24 AM	1	42.25323	9	1
9/30/2022	7:07:49 AM	1	35.41814	24	1
9/30/2022	7:08:07 AM	1	47.84557	18	1
9/30/2022	7:08:29 AM	1	36.66089	21	1
9/30/2022	7:08:48 AM	1	27.96169	18	1
9/30/2022	7:08:50 AM	1	27.96169	2	0
9/30/2022	7:09:29 AM	1	33.55403	39	1
9/30/2022	7:09:37 AM	1	37.90363	8	1
9/30/2022	7:09:39 AM	1	37.90363	1.292	0
9/30/2022	7:10:20 AM	1	32.31129	41	1
9/30/2022	7:10:44 AM	1	33.55403	24	1
9/30/2022	7:10:56 AM	1	37.90363	11	1
9/30/2022	7:11:21 AM	1	31.06855	24	1
9/30/2022	7:12:00 AM	1	36.66089	39	1
9/30/2022	7:12:11 AM	1	31.06855	10	1
9/30/2022	7:12:32 AM	1	31.68992	20	1
9/30/2022	7:12:35 AM	1	29.20444	3	0
9/30/2022	7:12:37 AM	1	29.20444	1.244	0
9/30/2022	7:12:57 AM	1	36.66089	19	1
9/30/2022	7:13:11 AM	1	39.14637	15	1
9/30/2022	7:13:37 AM	1	36.66089	26	1
9/30/2022	7:13:58 AM	1	36.03952	20	1
9/30/2022	7:14:01 AM	1	31.68992	3	0
9/30/2022	7:14:24 AM	1	23.6121	22	1
9/30/2022	7:14:54 AM	1	31.06855	30	1
9/30/2022	7:15:28 AM	1	35.41814	34	1
9/30/2022	7:15:35 AM	1	32.93266	6	0
9/30/2022	7:15:45 AM	1	30.44718	9	1
9/30/2022	7:16:17 AM	1	41.63186	32	1
9/30/2022	7:17:33 AM	1	35.41814	75	1
9/30/2022	7:18:27 AM	1	39.76774	53	1
9/30/2022	7:18:28 AM	1	39.76774	1.091	0
9/30/2022	7:18:49 AM	1	32.93266	21	1
9/30/2022	7:19:34 AM	1	40.38911	44	1
9/30/2022	7:20:02 AM	1	40.38911	28	1
9/30/2022	7:20:06 AM	1	41.01048	3	0
9/30/2022	7:20:17 AM	1	41.63186	12	1
9/30/2022	7:20:43 AM	1	40.38911	26	1
9/30/2022	7:20:54 AM	1	37.28226	10	1
9/30/2022	7:20:56 AM	1	36.03952	2	0
9/30/2022	7:21:03 AM	1	36.03952	7	0
9/30/2022	7:21:15 AM	1	36.03952	11	1
9/30/2022	7:21:42 AM	1	33.55403	26	1
9/30/2022	7:21:46 AM	1	38.525	4	0
9/30/2022	7:22:06 AM	1	42.25323	20	1
9/30/2022	7:22:16 AM	1	37.28226	9	1
9/30/2022	7:22:36 AM	1	32.31129	20	1
9/30/2022	7:22:42 AM	1	33.55403	6	0

9/30/2022	7:23:08 AM	1	29.82581	26	1
9/30/2022	7:23:12 AM	1	30.44718	3	0
9/30/2022	7:23:15 AM	1	34.1754	3	0
9/30/2022	7:23:16 AM	1	34.1754	1.025	0
9/30/2022	7:23:24 AM	1	40.38911	8	1
9/30/2022	7:23:29 AM	1	39.76774	4	0
9/30/2022	7:23:46 AM	1	34.79678	17	1
9/30/2022	7:24:43 AM	1	36.03952	57	1
9/30/2022	7:24:47 AM	1	39.76774	3	0
9/30/2022	7:24:51 AM	1	36.66089	4	0
9/30/2022	7:24:55 AM	1	37.90363	4	0
9/30/2022	7:25:08 AM	1	42.8746	12	1
9/30/2022	7:25:20 AM	1	29.20444	11	1
9/30/2022	7:25:40 AM	1	31.68992	20	1
9/30/2022	7:26:01 AM	1	36.03952	20	1
9/30/2022	7:26:29 AM	1	30.44718	28	1
9/30/2022	7:26:38 AM	1	40.38911	8	1
9/30/2022	7:26:57 AM	1	34.79678	19	1
9/30/2022	7:27:10 AM	1	32.31129	13	1
9/30/2022	7:27:15 AM	1	36.03952	5	0
9/30/2022	7:27:17 AM	1	37.28226	2	0
9/30/2022	7:27:20 AM	1	36.66089	2	0
9/30/2022	7:28:02 AM	1	31.06855	42	1
9/30/2022	7:28:03 AM	1	31.06855	0.082	0
9/30/2022	7:28:05 AM	1	30.44718	2	0
9/30/2022	7:28:18 AM	1	27.34032	12	1
9/30/2022	7:29:04 AM	1	37.28226	46	1
9/30/2022	7:29:22 AM	1	39.14637	18	1
9/30/2022	7:29:25 AM	1	37.28226	3	0
9/30/2022	7:30:16 AM	1	34.1754	51	1
9/30/2022	7:30:19 AM	1	34.79678	2	0
9/30/2022	7:31:14 AM	1	39.14637	55	1
9/30/2022	7:32:01 AM	1	32.31129	47	1
9/30/2022	7:32:04 AM	1	32.31129	3	0
9/30/2022	7:32:06 AM	1	34.79678	2	0
9/30/2022	7:32:08 AM	1	34.79678	2	0
9/30/2022	7:32:11 AM	1	35.41814	2	0
9/30/2022	7:32:41 AM	1	32.31129	30	1
9/30/2022	7:32:52 AM	1	34.79678	10	1
9/30/2022	7:32:56 AM	1	42.25323	4	0
9/30/2022	7:33:20 AM	1	36.03952	24	1
9/30/2022	7:33:39 AM	1	27.96169	19	1
9/30/2022	7:33:43 AM	1	33.55403	4	0
9/30/2022	7:33:48 AM	1	34.1754	4	0
9/30/2022	7:33:52 AM	1	34.1754	4	0
9/30/2022	7:33:54 AM	1	36.66089	2	0
9/30/2022	7:33:59 AM	1	34.1754	4	0
9/30/2022	7:34:10 AM	1	34.79678	11	1
9/30/2022	7:34:38 AM	1	33.55403	27	1
9/30/2022	7:34:40 AM	1	31.68992	2	0
9/30/2022	7:34:41 AM	1	31.68992	1.135	0
9/30/2022	7:35:11 AM	1	39.14637	29	1
9/30/2022	7:35:11 AM	1	38.525	0.107	0
9/30/2022	7:35:19 AM	1	30.44718	7	0
9/30/2022	7:35:30 AM	1	33.55403	11	1
9/30/2022	7:36:37 AM	1	34.1754	67	1
9/30/2022	7:36:57 AM	1	39.76774	19	1
9/30/2022	7:36:58 AM	1	39.76774	1.11	0
9/30/2022	7:37:03 AM	1	42.25323	4	0
9/30/2022	7:37:07 AM	1	35.41814	4	0
9/30/2022	7:37:10 AM	1	35.41814	3	0
9/30/2022	7:37:11 AM	1	35.41814	1.371	0
9/30/2022	7:37:19 AM	1	45.36008	8	1
9/30/2022	7:38:36 AM	1	29.82581	76	1
9/30/2022	7:38:45 AM	1	36.03952	9	1
9/30/2022	7:38:51 AM	1	29.82581	5	0
9/30/2022	7:38:53 AM	1	33.55403	2	0

9/30/2022 7:39:01 AM	1	41.01048	7	0
9/30/2022 7:39:07 AM	1	39.76774	6	0
9/30/2022 7:39:33 AM	1	42.8746	26	1
9/30/2022 7:40:18 AM	1	34.1754	44	1
9/30/2022 7:40:32 AM	1	29.20444	14	1
9/30/2022 7:40:46 AM	1	32.93266	14	1
9/30/2022 7:41:18 AM	1	32.31129	32	1
9/30/2022 7:41:21 AM	1	30.44718	3	0
9/30/2022 7:41:30 AM	1	30.44718	8	1
9/30/2022 7:41:31 AM	1	30.44718	0.581	0
9/30/2022 7:42:08 AM	1	30.44718	37	1
9/30/2022 7:42:10 AM	1	36.03952	2	0
9/30/2022 7:42:19 AM	1	34.79678	8	1
9/30/2022 7:42:21 AM	1	36.66089	2	0
9/30/2022 7:42:23 AM	1	34.79678	2	0
9/30/2022 7:42:24 AM	1	34.79678	0.845	0
9/30/2022 7:42:27 AM	1	32.31129	2	0
9/30/2022 7:42:29 AM	1	31.68992	2	0
9/30/2022 7:42:30 AM	1	31.68992	1.08	0
9/30/2022 7:42:33 AM	1	31.68992	2	0
9/30/2022 7:42:35 AM	1	31.68992	0.709	0
9/30/2022 7:42:38 AM	1	34.1754	3	0
9/30/2022 7:42:54 AM	1	29.20444	15	1
9/30/2022 7:43:07 AM	1	30.44718	13	1
9/30/2022 7:43:09 AM	1	34.79678	2	0
9/30/2022 7:43:44 AM	1	43.49597	34	1
9/30/2022 7:44:47 AM	1	32.93266	63	1
9/30/2022 7:44:50 AM	1	31.06855	3	0
9/30/2022 7:44:52 AM	1	31.06855	2	0
9/30/2022 7:44:53 AM	1	31.06855	1.284	0
9/30/2022 7:44:55 AM	1	31.06855	1.004	0
9/30/2022 7:44:57 AM	1	31.06855	2	0
9/30/2022 7:44:59 AM	1	31.06855	1.329	0
9/30/2022 7:45:04 AM	1	30.44718	5	0
9/30/2022 7:45:15 AM	1	27.34032	11	1
9/30/2022 7:45:29 AM	1	20.50524	12	1
9/30/2022 7:45:34 AM	1	18.64113	5	0
9/30/2022 7:45:58 AM	1	24.23347	23	1
9/30/2022 7:46:04 AM	1	31.68992	5	0
9/30/2022 7:46:14 AM	1	32.31129	10	1
9/30/2022 7:46:24 AM	1	30.44718	10	1
9/30/2022 7:46:33 AM	1	39.76774	9	1
9/30/2022 7:46:59 AM	1	30.44718	26	1
9/30/2022 7:47:07 AM	1	36.66089	8	1
9/30/2022 7:47:09 AM	1	37.28226	2	0
9/30/2022 7:47:20 AM	1	33.55403	10	1
9/30/2022 7:47:22 AM	1	33.55403	2	0
9/30/2022 7:47:24 AM	1	32.93266	2	0
9/30/2022 7:47:36 AM	1	34.79678	12	1
9/30/2022 7:47:44 AM	1	35.41814	7	0
9/30/2022 7:48:20 AM	1	26.71895	36	1
9/30/2022 7:48:24 AM	1	26.71895	3	0
9/30/2022 7:48:47 AM	1	29.82581	23	1
9/30/2022 7:48:48 AM	1	29.82581	1.086	0
9/30/2022 7:49:45 AM	1	37.28226	57	1
9/30/2022 7:49:52 AM	1	34.1754	6	0
9/30/2022 7:49:53 AM	1	34.1754	0.954	0
9/30/2022 7:49:55 AM	1	34.1754	2	0
9/30/2022 7:49:57 AM	1	33.55403	2	0
9/30/2022 7:50:43 AM	1	33.55403	46	1
9/30/2022 7:50:54 AM	1	34.79678	10	1
9/30/2022 7:50:59 AM	1	36.03952	5	0
9/30/2022 7:51:12 AM	1	31.68992	13	1
9/30/2022 7:51:15 AM	1	34.79678	2	0
9/30/2022 7:51:56 AM	1	32.93266	41	1
9/30/2022 7:52:06 AM	1	37.90363	9	1
9/30/2022 7:52:08 AM	1	37.90363	1.889	0

9/30/2022	7:52:14 AM	1	35.41814	5	0
9/30/2022	7:52:53 AM	1	35.41814	38	1
9/30/2022	7:53:05 AM	1	27.96169	12	1
9/30/2022	7:53:21 AM	1	28.58307	16	1
9/30/2022	7:53:41 AM	1	32.93266	20	1
9/30/2022	7:53:47 AM	1	37.28226	6	0
9/30/2022	7:54:11 AM	1	37.90363	23	1
9/30/2022	7:54:37 AM	1	37.28226	25	1
9/30/2022	7:54:43 AM	1	36.03952	6	0
9/30/2022	7:54:44 AM	1	36.03952	0.667	0
9/30/2022	7:54:45 AM	1	36.03952	1.376	0
9/30/2022	7:55:27 AM	1	31.68992	41	1
9/30/2022	7:55:35 AM	1	36.03952	8	1
9/30/2022	7:55:37 AM	1	40.38911	2	0
9/30/2022	7:56:47 AM	1	29.82581	70	1
9/30/2022	7:56:54 AM	1	33.55403	7	0
9/30/2022	7:56:58 AM	1	34.1754	4	0
9/30/2022	7:57:27 AM	1	28.58307	28	1
9/30/2022	7:57:30 AM	1	34.1754	4	0
9/30/2022	7:57:38 AM	1	39.76774	8	1
9/30/2022	7:57:46 AM	1	40.38911	8	1
9/30/2022	7:57:56 AM	1	39.14637	9	1
9/30/2022	7:58:46 AM	1	32.31129	50	1
9/30/2022	7:58:50 AM	1	39.76774	4	0
9/30/2022	7:58:55 AM	1	33.55403	5	0
9/30/2022	7:59:04 AM	1	34.1754	9	1
9/30/2022	7:59:34 AM	1	39.14637	29	1
9/30/2022	7:59:38 AM	1	40.38911	4	0
9/30/2022	4:30:03 PM	1	23.6121	8	1
9/30/2022	4:30:14 PM	1	36.03952	10	1
9/30/2022	4:30:33 PM	1	35.41814	19	1
9/30/2022	4:30:52 PM	1	26.09758	19	1
9/30/2022	4:31:02 PM	1	30.44718	9	1
9/30/2022	4:31:05 PM	1	30.44718	4	0
9/30/2022	4:32:37 PM	1	33.55403	91	1
9/30/2022	4:32:52 PM	1	29.20444	15	1
9/30/2022	4:32:56 PM	1	41.01048	4	0
9/30/2022	4:33:01 PM	1	37.28226	4	0
9/30/2022	4:33:02 PM	1	37.28226	0.056	0
9/30/2022	4:33:06 PM	1	34.79678	4	0
9/30/2022	4:33:13 PM	1	31.06855	7	0
9/30/2022	4:33:29 PM	1	32.93266	16	1
9/30/2022	4:33:47 PM	1	32.93266	18	1
9/30/2022	4:33:51 PM	1	33.55403	4	0
9/30/2022	4:34:25 PM	1	31.68992	34	1
9/30/2022	4:34:27 PM	1	31.68992	1.022	0
9/30/2022	4:34:35 PM	1	31.06855	8	1
9/30/2022	4:34:38 PM	1	32.93266	2	0
9/30/2022	4:34:43 PM	1	32.93266	5	0
9/30/2022	4:34:48 PM	1	36.03952	5	0
9/30/2022	4:34:51 PM	1	29.82581	2	0
9/30/2022	4:35:00 PM	1	37.28226	9	1
9/30/2022	4:35:04 PM	1	34.79678	4	0
9/30/2022	4:35:17 PM	1	32.31129	12	1
9/30/2022	4:35:25 PM	1	32.93266	8	1
9/30/2022	4:35:27 PM	1	36.03952	2	0
9/30/2022	4:35:31 PM	1	36.66089	3	0
9/30/2022	4:35:37 PM	1	36.03952	7	0
9/30/2022	4:36:29 PM	1	33.55403	52	1
9/30/2022	4:36:34 PM	1	39.14637	5	0
9/30/2022	4:36:40 PM	1	36.66089	6	0
9/30/2022	4:36:48 PM	1	34.79678	8	1
9/30/2022	4:36:49 PM	1	34.79678	1.37	0
9/30/2022	4:37:06 PM	1	33.55403	16	1
9/30/2022	4:37:07 PM	1	33.55403	0.839	0
9/30/2022	4:37:13 PM	1	29.82581	6	0
9/30/2022	4:37:20 PM	1	30.44718	7	0

9/30/2022	4:37:28 PM	1	35.41814	7	0
9/30/2022	4:38:33 PM	1	40.38911	65	1
9/30/2022	4:38:36 PM	1	40.38911	3	0
9/30/2022	4:38:39 PM	1	46.60282	3	0
9/30/2022	4:39:15 PM	1	37.28226	36	1
9/30/2022	4:39:59 PM	1	32.31129	44	1
9/30/2022	4:40:11 PM	1	37.90363	11	1
9/30/2022	4:40:18 PM	1	33.55403	7	0
9/30/2022	4:40:27 PM	1	32.93266	9	1
9/30/2022	4:40:31 PM	1	42.25323	4	0
9/30/2022	4:40:36 PM	1	44.73871	4	0
9/30/2022	4:40:53 PM	1	34.1754	16	1
9/30/2022	4:40:55 PM	1	35.41814	2	0
9/30/2022	4:41:14 PM	1	36.66089	18	1
9/30/2022	4:41:22 PM	1	34.1754	8	1
9/30/2022	4:41:38 PM	1	36.66089	15	1
9/30/2022	4:41:43 PM	1	33.55403	5	0
9/30/2022	4:42:16 PM	1	33.55403	33	1
9/30/2022	4:42:30 PM	1	34.1754	14	1
9/30/2022	4:42:42 PM	1	32.31129	12	1
9/30/2022	4:42:45 PM	1	35.41814	3	0
9/30/2022	4:42:54 PM	1	41.01048	9	1
9/30/2022	4:43:00 PM	1	30.44718	6	0
9/30/2022	4:43:38 PM	1	31.06855	37	1
9/30/2022	4:43:42 PM	1	32.93266	4	0
9/30/2022	4:44:41 PM	1	36.66089	59	1
9/30/2022	4:44:44 PM	1	40.38911	3	0
9/30/2022	4:45:06 PM	1	26.71895	22	1
9/30/2022	4:45:13 PM	1	39.14637	6	0
9/30/2022	4:45:17 PM	1	35.41814	4	0
9/30/2022	4:45:31 PM	1	29.82581	13	1
9/30/2022	4:45:57 PM	1	39.14637	25	1
9/30/2022	4:46:00 PM	1	37.28226	3	0
9/30/2022	4:46:02 PM	1	37.90363	2	0
9/30/2022	4:46:05 PM	1	34.79678	2	0
9/30/2022	4:47:07 PM	1	36.66089	61	1
9/30/2022	4:47:22 PM	1	28.58307	15	1
9/30/2022	4:48:22 PM	1	32.31129	60	1
9/30/2022	4:49:24 PM	1	29.82581	61	1
9/30/2022	4:49:28 PM	1	36.03952	4	0
9/30/2022	4:49:35 PM	1	29.20444	7	0
9/30/2022	4:49:53 PM	1	42.25323	18	1
9/30/2022	4:50:06 PM	1	37.28226	13	1
9/30/2022	4:50:34 PM	1	33.55403	27	1
9/30/2022	4:50:36 PM	1	32.93266	2	0
9/30/2022	4:50:38 PM	1	32.93266	1.308	0
9/30/2022	4:51:01 PM	1	39.14637	23	1
9/30/2022	4:51:05 PM	1	38.525	4	0
9/30/2022	4:51:07 PM	1	38.525	1.26	0
9/30/2022	4:51:10 PM	1	41.01048	3	0
9/30/2022	4:51:47 PM	1	31.06855	37	1
9/30/2022	4:51:48 PM	1	31.06855	1.024	0
9/30/2022	4:51:55 PM	1	44.11734	7	0
9/30/2022	4:51:56 PM	1	44.11734	0.716	0
9/30/2022	4:52:42 PM	1	37.28226	46	1
9/30/2022	4:52:44 PM	1	37.28226	1.199	0
9/30/2022	4:53:21 PM	1	34.79678	36	1
9/30/2022	4:53:29 PM	1	36.03952	8	1
9/30/2022	4:53:31 PM	1	34.1754	2	0
9/30/2022	4:53:34 PM	1	33.55403	2	0
9/30/2022	4:54:21 PM	1	37.28226	48	1
9/30/2022	4:55:10 PM	1	36.03952	49	1
9/30/2022	4:55:43 PM	1	36.66089	33	1
9/30/2022	4:56:10 PM	1	35.41814	26	1
9/30/2022	4:56:13 PM	1	34.1754	3	0
9/30/2022	4:56:15 PM	1	34.79678	1.291	0
9/30/2022	4:56:18 PM	1	36.66089	3	0

9/30/2022	4:56:22 PM	1	37.90363	4	0
9/30/2022	4:57:07 PM	1	34.1754	44	1
9/30/2022	4:57:09 PM	1	36.03952	2	0
9/30/2022	4:57:31 PM	1	42.8746	21	1
9/30/2022	4:58:37 PM	1	31.06855	66	1
9/30/2022	4:58:44 PM	1	29.82581	7	0
9/30/2022	4:58:50 PM	1	33.55403	6	0
9/30/2022	4:59:38 PM	1	29.82581	47	1
9/30/2022	4:59:45 PM	1	31.06855	7	0
9/30/2022	4:59:50 PM	1	33.55403	5	0
9/30/2022	4:59:53 PM	1	32.31129	3	0
9/30/2022	4:59:56 PM	1	45.36008	2	0
9/30/2022	5:00:01 PM	1	33.55403	5	0
9/30/2022	5:00:09 PM	1	34.1754	7	0
9/30/2022	5:00:12 PM	1	36.03952	3	0
9/30/2022	5:00:25 PM	1	34.1754	13	1
9/30/2022	5:00:38 PM	1	32.93266	12	1
9/30/2022	5:00:45 PM	1	37.28226	6	0
9/30/2022	5:00:53 PM	1	31.68992	8	1
9/30/2022	5:01:15 PM	1	44.11734	22	1
9/30/2022	5:01:33 PM	1	34.1754	18	1
9/30/2022	5:02:55 PM	1	39.76774	81	1
9/30/2022	5:02:58 PM	1	36.66089	2	0
9/30/2022	5:03:00 PM	1	39.14637	2	0
9/30/2022	5:03:07 PM	1	44.11734	7	0
9/30/2022	5:03:13 PM	1	40.38911	5	0
9/30/2022	5:03:45 PM	1	35.41814	32	1
9/30/2022	5:03:47 PM	1	35.41814	1.19	0
9/30/2022	5:03:49 PM	1	39.14637	2	0
9/30/2022	5:03:50 PM	1	39.14637	0.668	0
9/30/2022	5:04:18 PM	1	33.55403	28	1
9/30/2022	5:04:37 PM	1	34.79678	19	1
9/30/2022	5:04:46 PM	1	32.93266	8	1
9/30/2022	5:05:11 PM	1	34.1754	25	1
9/30/2022	5:05:35 PM	1	34.1754	24	1
9/30/2022	5:05:57 PM	1	31.68992	21	1
9/30/2022	5:06:00 PM	1	30.44718	3	0
9/30/2022	5:06:05 PM	1	37.28226	5	0
9/30/2022	5:06:10 PM	1	36.03952	4	0
9/30/2022	5:06:16 PM	1	36.66089	6	0
9/30/2022	5:06:58 PM	1	47.22419	42	1
9/30/2022	5:07:04 PM	1	39.14637	5	0
9/30/2022	5:07:06 PM	1	36.66089	2	0
9/30/2022	5:07:08 PM	1	36.66089	1.292	0
9/30/2022	5:07:10 PM	1	42.25323	2	0
9/30/2022	5:07:17 PM	1	36.66089	6	0
9/30/2022	5:07:19 PM	1	36.66089	2	0
9/30/2022	5:07:23 PM	1	49.08831	4	0
9/30/2022	5:07:41 PM	1	41.63186	17	1
9/30/2022	5:07:49 PM	1	39.76774	7	0
9/30/2022	5:08:37 PM	1	33.55403	48	1
9/30/2022	5:08:47 PM	1	37.90363	10	1
9/30/2022	5:09:21 PM	1	33.55403	33	1
9/30/2022	5:09:27 PM	1	34.79678	6	0
9/30/2022	5:09:30 PM	1	35.41814	3	0
9/30/2022	5:09:42 PM	1	41.01048	12	1
9/30/2022	5:09:44 PM	1	41.63186	1.445	0
9/30/2022	5:10:19 PM	1	34.79678	35	1
9/30/2022	5:10:26 PM	1	34.79678	7	0
9/30/2022	5:10:27 PM	1	34.79678	0.531	0
9/30/2022	5:10:40 PM	1	35.41814	13	1
9/30/2022	5:10:49 PM	1	29.82581	9	1
9/30/2022	5:10:53 PM	1	33.55403	3	0
9/30/2022	5:11:10 PM	1	32.31129	16	1
9/30/2022	5:11:11 PM	1	32.31129	0.885	0
9/30/2022	5:11:30 PM	1	45.98145	20	1
9/30/2022	5:11:55 PM	1	37.28226	24	1

9/30/2022	5:12:02 PM	1	35.41814	7	0
9/30/2022	5:12:07 PM	1	42.25323	5	0
9/30/2022	5:12:18 PM	1	39.76774	10	1
9/30/2022	5:12:25 PM	1	33.55403	6	0
9/30/2022	5:12:28 PM	1	36.66089	4	0
9/30/2022	5:12:31 PM	1	34.1754	3	0
9/30/2022	5:12:32 PM	1	34.1754	0.884	0
9/30/2022	5:12:47 PM	1	41.63186	14	1
9/30/2022	5:13:34 PM	1	32.93266	47	1
9/30/2022	5:13:36 PM	1	34.79678	2	0
9/30/2022	5:14:03 PM	1	33.55403	27	1
9/30/2022	5:14:11 PM	1	32.93266	8	1
9/30/2022	5:14:14 PM	1	32.93266	3	0
9/30/2022	5:14:22 PM	1	36.03952	8	1
9/30/2022	5:14:33 PM	1	30.44718	11	1
9/30/2022	5:14:34 PM	1	30.44718	1.142	0
9/30/2022	5:16:24 PM	1	36.66089	110	1
9/30/2022	5:16:33 PM	1	38.525	8	1
9/30/2022	5:16:51 PM	1	32.93266	18	1
9/30/2022	5:16:56 PM	1	35.41814	4	0
9/30/2022	5:18:01 PM	1	30.44718	66	1
9/30/2022	5:18:05 PM	1	34.1754	4	0
9/30/2022	5:18:48 PM	1	32.31129	43	1
9/30/2022	5:18:50 PM	1	32.31129	2	0
9/30/2022	5:18:53 PM	1	34.1754	3	0
9/30/2022	5:18:58 PM	1	29.82581	4	0
9/30/2022	5:19:14 PM	1	36.66089	16	1
9/30/2022	5:19:29 PM	1	34.1754	15	1
9/30/2022	5:19:44 PM	1	31.06855	14	1
9/30/2022	5:19:50 PM	1	36.03952	6	0
9/30/2022	5:19:55 PM	1	29.20444	5	0
9/30/2022	5:20:02 PM	1	34.79678	6	0
9/30/2022	5:21:17 PM	1	37.28226	74	1
9/30/2022	5:21:20 PM	1	39.14637	3	0
9/30/2022	5:21:35 PM	1	27.96169	14	1
9/30/2022	5:21:58 PM	1	36.03952	23	1
9/30/2022	5:22:54 PM	1	33.55403	55	1
9/30/2022	5:23:47 PM	1	30.44718	52	1
9/30/2022	5:23:49 PM	1	29.82581	2	0
9/30/2022	5:23:51 PM	1	29.82581	2	0
9/30/2022	5:23:53 PM	1	29.82581	1.282	0
9/30/2022	5:23:58 PM	1	34.79678	4	0
9/30/2022	5:24:02 PM	1	31.68992	4	0
9/30/2022	5:24:04 PM	1	31.68992	2	0
9/30/2022	5:24:08 PM	1	37.28226	4	0
9/30/2022	5:24:13 PM	1	39.14637	5	0
9/30/2022	5:24:21 PM	1	36.03952	8	1
9/30/2022	5:24:25 PM	1	39.14637	4	0
9/30/2022	5:24:28 PM	1	34.1754	3	0
9/30/2022	5:24:33 PM	1	36.66089	4	0
9/30/2022	5:25:22 PM	1	39.14637	49	1
9/30/2022	5:25:31 PM	1	37.28226	9	1
9/30/2022	5:26:53 PM	1	34.79678	82	1
9/30/2022	5:27:06 PM	1	42.25323	12	1
9/30/2022	5:27:11 PM	1	39.76774	4	0
9/30/2022	5:27:15 PM	1	36.03952	4	0
9/30/2022	5:27:19 PM	1	39.76774	3	0
9/30/2022	5:27:20 PM	1	39.76774	1.03	0
9/30/2022	5:27:24 PM	1	32.93266	4	0
9/30/2022	5:28:27 PM	1	40.38911	62	1
9/30/2022	5:28:45 PM	1	34.1754	18	1
9/30/2022	5:28:54 PM	1	32.93266	9	1
9/30/2022	5:29:15 PM	1	36.03952	21	1
9/30/2022	5:29:40 PM	1	39.14637	24	1
9/30/2022	5:29:43 PM	1	39.76774	3	0
9/30/2022	5:29:45 PM	1	39.76774	1.079	0
9/30/2022	5:29:53 PM	1	33.55403	8	1

9/30/2022	5:30:02 PM	1	33.55403	9	1
10/1/2022	7:01:03 AM	1	37.28226	99	1
10/1/2022	7:02:16 AM	1	32.93266	73	1
10/1/2022	7:03:28 AM	1	24.23347	72	1
10/1/2022	7:03:50 AM	1	29.20444	22	1
10/1/2022	7:03:55 AM	1	34.79678	4	0
10/1/2022	7:04:21 AM	1	36.66089	26	1
10/1/2022	7:04:44 AM	1	31.68992	23	1
10/1/2022	7:05:14 AM	1	29.82581	29	1
10/1/2022	7:06:11 AM	1	22.99073	56	1
10/1/2022	7:08:24 AM	1	37.90363	133	1
10/1/2022	7:09:40 AM	1	45.36008	76	1
10/1/2022	7:09:58 AM	1	36.66089	18	1
10/1/2022	7:10:06 AM	1	36.03952	8	1
10/1/2022	7:12:04 AM	1	35.41814	118	1
10/1/2022	7:15:00 AM	1	34.79678	176	1
10/1/2022	7:16:05 AM	1	41.01048	65	1
10/1/2022	7:16:31 AM	1	21.12661	26	1
10/1/2022	7:16:41 AM	1	38.525	9	1
10/1/2022	7:17:13 AM	1	31.68992	32	1
10/1/2022	7:17:37 AM	1	36.66089	24	1
10/1/2022	7:17:46 AM	1	34.79678	9	1
10/1/2022	7:17:58 AM	1	32.31129	11	1
10/1/2022	7:18:00 AM	1	34.79678	2	0
10/1/2022	7:19:31 AM	1	34.79678	90	1
10/1/2022	7:19:41 AM	1	29.82581	10	1
10/1/2022	7:19:49 AM	1	41.01048	8	1
10/1/2022	7:19:59 AM	1	39.76774	9	1
10/1/2022	7:20:15 AM	1	34.79678	16	1
10/1/2022	7:20:16 AM	1	34.79678	1.26	0
10/1/2022	7:23:37 AM	1	30.44718	201	1
10/1/2022	7:23:53 AM	1	31.68992	15	1
10/1/2022	7:24:14 AM	1	37.28226	21	1
10/1/2022	7:25:33 AM	1	31.68992	79	1
10/1/2022	7:26:03 AM	1	41.01048	30	1
10/1/2022	7:26:30 AM	1	33.55403	27	1
10/1/2022	7:27:37 AM	1	33.55403	67	1
10/1/2022	7:29:32 AM	1	46.60282	115	1
10/1/2022	7:32:00 AM	1	23.6121	148	1
10/1/2022	7:33:14 AM	1	43.49597	73	1
10/1/2022	7:33:48 AM	1	27.34032	34	1
10/1/2022	7:34:45 AM	1	31.06855	56	1
10/1/2022	7:35:22 AM	1	36.66089	37	1
10/1/2022	7:35:36 AM	1	37.90363	14	1
10/1/2022	7:36:53 AM	1	34.1754	76	1
10/1/2022	7:37:42 AM	1	29.82581	49	1
10/1/2022	7:39:18 AM	1	22.36935	96	1
10/1/2022	7:39:51 AM	1	39.76774	33	1
10/1/2022	7:40:12 AM	1	27.96169	20	1
10/1/2022	7:40:34 AM	1	40.38911	21	1
10/1/2022	7:42:14 AM	1	27.34032	100	1
10/1/2022	7:43:38 AM	1	42.8746	84	1
10/1/2022	7:44:22 AM	1	41.63186	44	1
10/1/2022	7:49:36 AM	1	31.68992	314	1
10/1/2022	7:49:51 AM	1	32.31129	15	1
10/1/2022	7:49:55 AM	1	32.93266	4	0
10/1/2022	7:49:56 AM	1	32.93266	1.229	0
10/1/2022	7:51:47 AM	1	37.90363	110	1
10/1/2022	7:52:23 AM	1	34.79678	36	1
10/1/2022	7:53:33 AM	1	32.31129	70	1
10/1/2022	7:54:00 AM	1	28.58307	27	1
10/1/2022	7:55:37 AM	1	37.28226	97	1
10/1/2022	7:56:50 AM	1	31.06855	73	1
10/1/2022	7:56:52 AM	1	30.44718	2	0
10/1/2022	7:57:39 AM	1	34.1754	47	1
10/1/2022	7:57:54 AM	1	35.41814	14	1
10/1/2022	7:57:59 AM	1	37.90363	5	0

10/1/2022	7:58:08 AM	1	37.90363	9	1
10/1/2022	7:59:04 AM	1	32.31129	55	1
10/1/2022	7:59:06 AM	1	32.93266	2	0
10/1/2022	7:59:38 AM	1	28.58307	32	1

Name: Memorial Drive EB Traffic
Date/Time: 9/28/2022 3:10:42 PM
Site Code:
Station ID:
Location 1:
Location 2:
Location 3:
Location 4:
Latitude: 0.000000
Longitude: 0.000000
Channels: , Channel 1 - Direction X, Lane 1, Channel 2 - Direction X, Lane 2
Filters Applied: None

85th	50th	Avg Gap	AM GAP	PM GAP
40.38911	35.41814	23.06907		
	wed	28-Sep		154
	thurs	29-Sep	124	147
	fri	30-Sep	135	149
	sat	1-Oct	63	
		Average	200.5	150

Date	Time	Channel	Speed	Gap	
9/28/2022	4:30:07 PM	1	37.28226	8	1
9/28/2022	4:30:15 PM	1	32.93266	8	1
9/28/2022	4:30:25 PM	1	29.82581	10	1
9/28/2022	4:30:27 PM	1	34.1754	2	0
9/28/2022	4:30:31 PM	1	33.55403	4	0
9/28/2022	4:30:36 PM	1	34.79678	4	0
9/28/2022	4:30:39 PM	1	32.31129	3	0
9/28/2022	4:30:40 PM	1	32.31129	1.363	0
9/28/2022	4:30:41 PM	1	32.31129	0.791	0
9/28/2022	4:30:44 PM	1	31.06855	3	0
9/28/2022	4:30:52 PM	1	34.79678	8	1
9/28/2022	4:31:14 PM	1	30.44718	21	1
9/28/2022	4:31:15 PM	1	31.68992	0.693	0
9/28/2022	4:31:17 PM	1	31.68992	2	0
9/28/2022	4:31:19 PM	1	31.68992	1.365	0
9/28/2022	4:31:21 PM	1	36.66089	2	0
9/28/2022	4:31:33 PM	1	35.41814	12	1
9/28/2022	4:31:38 PM	1	39.76774	5	0
9/28/2022	4:31:40 PM	1	39.76774	1.181	0
9/28/2022	4:31:47 PM	1	35.41814	8	1
9/28/2022	4:31:54 PM	1	32.93266	6	0
9/28/2022	4:32:10 PM	1	37.28226	16	1
9/28/2022	4:32:11 PM	1	36.66089	0.745	0
9/28/2022	4:32:13 PM	1	36.66089	1.454	0
9/28/2022	4:32:20 PM	1	39.76774	7	0
9/28/2022	4:32:31 PM	1	25.47621	11	1
9/28/2022	4:33:12 PM	1	31.06855	41	1
9/28/2022	4:33:13 PM	1	31.06855	0.91	0
9/28/2022	4:33:19 PM	1	41.01048	5	0
9/28/2022	4:33:29 PM	1	24.23347	10	1
9/28/2022	4:33:32 PM	1	28.58307	3	0
9/28/2022	4:33:38 PM	1	32.31129	6	0
9/28/2022	4:33:43 PM	1	36.03952	4	0
9/28/2022	4:33:45 PM	1	36.66089	2	0
9/28/2022	4:33:48 PM	1	34.79678	3	0
9/28/2022	4:33:49 PM	1	34.79678	0.832	0
9/28/2022	4:33:53 PM	1	33.55403	4	0
9/28/2022	4:33:58 PM	1	30.44718	4	0
9/28/2022	4:34:15 PM	1	28.58307	17	1
9/28/2022	4:34:25 PM	1	34.1754	10	1
9/28/2022	4:34:26 PM	1	31.68992	0.977	0
9/28/2022	4:34:28 PM	1	31.68992	1.198	0
9/28/2022	4:34:37 PM	1	35.41814	9	1
9/28/2022	4:34:54 PM	1	30.44718	17	1
9/28/2022	4:35:02 PM	1	16.77702	7	0
9/28/2022	4:35:04 PM	1	16.15565	1.212	0
9/28/2022	4:35:27 PM	1	39.14637	23	1
9/28/2022	4:35:30 PM	1	41.63186	3	0
9/28/2022	4:35:31 PM	1	36.66089	1.127	0
9/28/2022	4:35:33 PM	1	37.28226	1.378	0
9/28/2022	4:35:36 PM	1	31.06855	3	0
9/28/2022	4:35:38 PM	1	31.06855	1.329	0
9/28/2022	4:35:39 PM	1	31.68992	2	0
9/28/2022	4:35:41 PM	1	31.68992	1.412	0
9/28/2022	4:36:02 PM	1	29.20444	21	1
9/28/2022	4:36:06 PM	1	39.76774	4	0
9/28/2022	4:37:03 PM	1	40.38911	56	1
9/28/2022	4:37:08 PM	1	36.03952	5	0

9/28/2022 4:37:18 PM	1	41.63186	9	1
9/28/2022 4:37:21 PM	1	36.03952	3	0
9/28/2022 4:37:25 PM	1	36.66089	4	0
9/28/2022 4:37:26 PM	1	36.66089	0.695	0
9/28/2022 4:37:30 PM	1	36.66089	3	0
9/28/2022 4:37:42 PM	1	41.01048	12	1
9/28/2022 4:37:55 PM	1	40.38911	13	1
9/28/2022 4:38:08 PM	1	34.1754	12	1
9/28/2022 4:38:09 PM	1	34.1754	1.299	0
9/28/2022 4:38:24 PM	1	29.82581	14	1
9/28/2022 4:38:27 PM	1	37.28226	3	0
9/28/2022 4:38:33 PM	1	34.1754	5	0
9/28/2022 4:38:42 PM	1	34.79678	9	1
9/28/2022 4:38:43 PM	1	34.79678	0.811	0
9/28/2022 4:38:50 PM	1	44.73871	6	0
9/28/2022 4:38:56 PM	1	40.38911	6	0
9/28/2022 4:39:05 PM	1	34.1754	9	1
9/28/2022 4:39:12 PM	1	47.22419	7	0
9/28/2022 4:39:28 PM	1	39.14637	16	1
9/28/2022 4:39:57 PM	1	34.1754	29	1
9/28/2022 4:40:07 PM	1	50.33105	9	1
9/28/2022 4:40:35 PM	1	31.68992	28	1
9/28/2022 4:40:38 PM	1	35.41814	3	0
9/28/2022 4:40:40 PM	1	36.03952	2	0
9/28/2022 4:40:48 PM	1	34.1754	7	0
9/28/2022 4:40:57 PM	1	34.1754	9	1
9/28/2022 4:41:00 PM	1	42.8746	3	0
9/28/2022 4:41:27 PM	1	37.28226	27	1
9/28/2022 4:41:39 PM	1	34.1754	12	1
9/28/2022 4:41:41 PM	1	34.1754	2	0
9/28/2022 4:42:08 PM	1	41.01048	26	1
9/28/2022 4:42:17 PM	1	37.28226	9	1
9/28/2022 4:42:23 PM	1	36.66089	6	0
9/28/2022 4:42:24 PM	1	36.66089	0.839	0
9/28/2022 4:42:35 PM	1	38.525	10	1
9/28/2022 4:42:55 PM	1	32.93266	19	1
9/28/2022 4:42:56 PM	1	32.93266	1.008	0
9/28/2022 4:42:58 PM	1	39.14637	2	0
9/28/2022 4:43:18 PM	1	41.63186	20	1
9/28/2022 4:43:19 PM	1	41.63186	0.818	0
9/28/2022 4:43:26 PM	1	29.20444	6	0
9/28/2022 4:43:27 PM	1	29.20444	0.81	0
9/28/2022 4:43:29 PM	1	29.20444	2	0
9/28/2022 4:43:32 PM	1	30.44718	2	0
9/28/2022 4:43:33 PM	1	30.44718	1.049	0
9/28/2022 4:43:34 PM	1	30.44718	0.907	0
9/28/2022 4:44:08 PM	1	39.14637	34	1
9/28/2022 4:44:11 PM	1	37.90363	2	0
9/28/2022 4:44:16 PM	1	38.525	4	0
9/28/2022 4:44:23 PM	1	36.03952	6	0
9/28/2022 4:44:31 PM	1	38.525	8	1
9/28/2022 4:44:54 PM	1	31.06855	22	1
9/28/2022 4:44:56 PM	1	30.44718	2	0
9/28/2022 4:44:58 PM	1	35.41814	2	0
9/28/2022 4:45:00 PM	1	34.79678	1.353	0
9/28/2022 4:45:02 PM	1	34.79678	1.486	0
9/28/2022 4:45:03 PM	1	34.79678	2	0
9/28/2022 4:45:08 PM	1	36.66089	4	0
9/28/2022 4:45:20 PM	1	45.98145	12	1
9/28/2022 4:45:31 PM	1	39.14637	11	1
9/28/2022 4:45:33 PM	1	36.66089	2	0
9/28/2022 4:45:53 PM	1	36.03952	19	1
9/28/2022 4:46:46 PM	1	31.06855	53	1
9/28/2022 4:46:49 PM	1	24.85484	3	0
9/28/2022 4:46:51 PM	1	24.85484	1.253	0
9/28/2022 4:46:55 PM	1	32.31129	3	0
9/28/2022 4:46:57 PM	1	29.82581	2	0
9/28/2022 4:47:09 PM	1	33.55403	12	1
9/28/2022 4:47:15 PM	1	36.03952	6	0
9/28/2022 4:47:19 PM	1	39.14637	4	0
9/28/2022 4:47:22 PM	1	41.63186	2	0

9/28/2022 4:47:24 PM	1	45.98145	2	0
9/28/2022 4:47:31 PM	1	38.525	7	0
9/28/2022 4:47:41 PM	1	35.41814	10	1
9/28/2022 4:47:43 PM	1	35.41814	2	0
9/28/2022 4:47:47 PM	1	34.1754	3	0
9/28/2022 4:47:54 PM	1	28.58307	6	0
9/28/2022 4:48:05 PM	1	38.525	11	1
9/28/2022 4:48:47 PM	1	35.41814	42	1
9/28/2022 4:48:58 PM	1	34.1754	10	1
9/28/2022 4:49:01 PM	1	37.90363	2	0
9/28/2022 4:49:01 PM	1	37.90363	0.101	0
9/28/2022 4:49:08 PM	1	36.03952	7	0
9/28/2022 4:49:11 PM	1	29.82581	2	0
9/28/2022 4:49:13 PM	1	35.41814	2	0
9/28/2022 4:49:14 PM	1	35.41814	0.845	0
9/28/2022 4:49:21 PM	1	36.66089	6	0
9/28/2022 4:49:25 PM	1	31.06855	4	0
9/28/2022 4:49:29 PM	1	35.41814	4	0
9/28/2022 4:49:38 PM	1	35.41814	9	1
9/28/2022 4:49:51 PM	1	37.28226	13	1
9/28/2022 4:50:06 PM	1	36.03952	14	1
9/28/2022 4:50:22 PM	1	35.41814	16	1
9/28/2022 4:50:25 PM	1	33.55403	2	0
9/28/2022 4:50:29 PM	1	32.93266	4	0
9/28/2022 4:50:47 PM	1	37.28226	18	1
9/28/2022 4:50:49 PM	1	36.03952	2	0
9/28/2022 4:50:52 PM	1	35.41814	3	0
9/28/2022 4:51:18 PM	1	29.82581	25	1
9/28/2022 4:51:20 PM	1	29.82581	2	0
9/28/2022 4:51:26 PM	1	31.68992	5	0
9/28/2022 4:51:31 PM	1	34.1754	5	0
9/28/2022 4:51:32 PM	1	34.1754	0.689	0
9/28/2022 4:51:34 PM	1	34.79678	2	0
9/28/2022 4:51:35 PM	1	34.79678	1.352	0
9/28/2022 4:52:01 PM	1	28.58307	25	1
9/28/2022 4:52:43 PM	1	44.73871	42	1
9/28/2022 4:53:00 PM	1	39.76774	17	1
9/28/2022 4:53:05 PM	1	37.28226	4	0
9/28/2022 4:53:06 PM	1	37.28226	1.177	0
9/28/2022 4:53:13 PM	1	31.06855	6	0
9/28/2022 4:53:23 PM	1	34.1754	9	1
9/28/2022 4:53:53 PM	1	34.79678	30	1
9/28/2022 4:53:54 PM	1	34.79678	1.227	0
9/28/2022 4:54:22 PM	1	36.66089	28	1
9/28/2022 4:54:39 PM	1	41.01048	17	1
9/28/2022 4:54:59 PM	1	34.1754	19	1
9/28/2022 4:55:02 PM	1	32.31129	3	0
9/28/2022 4:55:04 PM	1	31.68992	1.266	0
9/28/2022 4:55:07 PM	1	34.79678	3	0
9/28/2022 4:55:14 PM	1	42.25323	6	0
9/28/2022 4:55:56 PM	1	36.66089	42	1
9/28/2022 4:55:58 PM	1	34.79678	2	0
9/28/2022 4:56:07 PM	1	29.82581	8	1
9/28/2022 4:56:15 PM	1	37.28226	8	1
9/28/2022 4:56:28 PM	1	34.79678	13	1
9/28/2022 4:56:42 PM	1	28.58307	14	1
9/28/2022 4:56:46 PM	1	33.55403	4	0
9/28/2022 4:56:54 PM	1	33.55403	7	0
9/28/2022 4:56:59 PM	1	31.06855	5	0
9/28/2022 4:57:10 PM	1	29.82581	10	1
9/28/2022 4:57:13 PM	1	34.1754	3	0
9/28/2022 4:57:25 PM	1	42.8746	12	1
9/28/2022 4:57:44 PM	1	42.8746	18	1
9/28/2022 4:57:52 PM	1	32.93266	8	1
9/28/2022 4:58:30 PM	1	28.58307	38	1
9/28/2022 4:58:32 PM	1	28.58307	1.148	0
9/28/2022 4:58:50 PM	1	32.31129	18	1
9/28/2022 4:58:52 PM	1	33.55403	1.45	0
9/28/2022 4:58:54 PM	1	36.03952	3	0
9/28/2022 4:59:04 PM	1	39.14637	9	1
9/28/2022 4:59:18 PM	1	31.68992	13	1

9/28/2022	4:59:21 PM	1	32.31129	3	0
9/28/2022	4:59:22 PM	1	32.31129	1.217	0
9/28/2022	4:59:25 PM	1	37.28226	3	0
9/28/2022	4:59:27 PM	1	37.28226	1.062	0
9/28/2022	4:59:29 PM	1	31.68992	2	0
9/28/2022	4:59:33 PM	1	36.03952	3	0
9/28/2022	4:59:37 PM	1	37.28226	4	0
9/28/2022	4:59:40 PM	1	39.76774	3	0
9/28/2022	5:00:22 PM	1	31.06855	42	1
9/28/2022	5:00:51 PM	1	38.525	28	1
9/28/2022	5:00:54 PM	1	34.79678	3	0
9/28/2022	5:01:00 PM	1	40.38911	6	0
9/28/2022	5:01:05 PM	1	35.41814	5	0
9/28/2022	5:01:12 PM	1	31.68992	6	0
9/28/2022	5:01:15 PM	1	36.66089	3	0
9/28/2022	5:01:29 PM	1	34.79678	14	1
9/28/2022	5:01:32 PM	1	31.06855	2	0
9/28/2022	5:01:40 PM	1	35.41814	8	1
9/28/2022	5:01:45 PM	1	31.06855	4	0
9/28/2022	5:02:03 PM	1	38.525	17	1
9/28/2022	5:02:28 PM	1	45.98145	25	1
9/28/2022	5:02:37 PM	1	39.14637	8	1
9/28/2022	5:02:39 PM	1	36.66089	2	0
9/28/2022	5:02:42 PM	1	39.14637	2	0
9/28/2022	5:03:02 PM	1	33.55403	20	1
9/28/2022	5:03:04 PM	1	37.28226	2	0
9/28/2022	5:03:06 PM	1	37.28226	0.762	0
9/28/2022	5:03:09 PM	1	30.44718	3	0
9/28/2022	5:03:33 PM	1	41.63186	23	1
9/28/2022	5:05:00 PM	1	37.90363	87	1
9/28/2022	5:05:07 PM	1	39.14637	6	0
9/28/2022	5:05:29 PM	1	37.90363	22	1
9/28/2022	5:05:51 PM	1	42.25323	22	1
9/28/2022	5:06:09 PM	1	29.82581	18	1
9/28/2022	5:06:27 PM	1	39.76774	18	1
9/28/2022	5:07:05 PM	1	36.66089	37	1
9/28/2022	5:07:19 PM	1	34.79678	14	1
9/28/2022	5:07:20 PM	1	34.79678	1.078	0
9/28/2022	5:07:30 PM	1	39.14637	10	1
9/28/2022	5:07:32 PM	1	37.28226	2	0
9/28/2022	5:07:35 PM	1	36.66089	2	0
9/28/2022	5:07:52 PM	1	34.79678	17	1
9/28/2022	5:08:10 PM	1	29.20444	17	1
9/28/2022	5:08:14 PM	1	39.14637	4	0
9/28/2022	5:08:29 PM	1	34.1754	15	1
9/28/2022	5:08:30 PM	1	34.1754	1.077	0
9/28/2022	5:08:47 PM	1	46.60282	17	1
9/28/2022	5:08:58 PM	1	40.38911	11	1
9/28/2022	5:09:04 PM	1	37.28226	5	0
9/28/2022	5:09:07 PM	1	37.28226	3	0
9/28/2022	5:09:11 PM	1	36.03952	4	0
9/28/2022	5:09:14 PM	1	35.41814	3	0
9/28/2022	5:09:21 PM	1	35.41814	6	0
9/28/2022	5:09:24 PM	1	36.03952	3	0
9/28/2022	5:09:30 PM	1	37.28226	6	0
9/28/2022	5:09:36 PM	1	30.44718	6	0
9/28/2022	5:10:25 PM	1	39.76774	49	1
9/28/2022	5:10:31 PM	1	42.25323	6	0
9/28/2022	5:10:39 PM	1	37.90363	8	1
9/28/2022	5:10:40 PM	1	37.90363	0.884	0
9/28/2022	5:10:51 PM	1	42.25323	10	1
9/28/2022	5:10:52 PM	1	42.25323	1.419	0
9/28/2022	5:10:57 PM	1	39.76774	4	0
9/28/2022	5:10:59 PM	1	40.38911	2	0
9/28/2022	5:11:15 PM	1	33.55403	16	1
9/28/2022	5:11:20 PM	1	29.20444	5	0
9/28/2022	5:11:30 PM	1	39.76774	10	1
9/28/2022	5:11:59 PM	1	41.63186	28	1
9/28/2022	5:12:06 PM	1	32.31129	8	1
9/28/2022	5:12:50 PM	1	27.34032	43	1
9/28/2022	5:12:55 PM	1	33.55403	5	0

9/28/2022	5:12:57 PM	1	33.55403	2	0
9/28/2022	5:13:01 PM	1	40.38911	4	0
9/28/2022	5:13:20 PM	1	33.55403	19	1
9/28/2022	5:13:54 PM	1	36.66089	34	1
9/28/2022	5:13:56 PM	1	36.03952	2	0
9/28/2022	5:14:08 PM	1	34.79678	11	1
9/28/2022	5:14:20 PM	1	44.73871	12	1
9/28/2022	5:14:36 PM	1	38.525	16	1
9/28/2022	5:14:40 PM	1	36.03952	3	0
9/28/2022	5:14:45 PM	1	37.90363	4	0
9/28/2022	5:14:46 PM	1	37.90363	1.283	0
9/28/2022	5:14:49 PM	1	41.01048	2	0
9/28/2022	5:15:03 PM	1	35.41814	14	1
9/28/2022	5:15:06 PM	1	34.1754	3	0
9/28/2022	5:15:08 PM	1	34.79678	2	0
9/28/2022	5:15:11 PM	1	38.525	2	0
9/28/2022	5:15:14 PM	1	36.03952	3	0
9/28/2022	5:15:17 PM	1	57.7875	3	0
9/28/2022	5:15:42 PM	1	38.525	25	1
9/28/2022	5:16:00 PM	1	36.66089	18	1
9/28/2022	5:16:21 PM	1	35.41814	21	1
9/28/2022	5:16:44 PM	1	36.66089	22	1
9/28/2022	5:16:45 PM	1	36.66089	1.308	0
9/28/2022	5:16:53 PM	1	35.41814	7	0
9/28/2022	5:16:55 PM	1	37.90363	2	0
9/28/2022	5:17:01 PM	1	36.03952	6	0
9/28/2022	5:17:11 PM	1	42.8746	9	1
9/28/2022	5:17:41 PM	1	46.60282	30	1
9/28/2022	5:18:17 PM	1	31.06855	36	1
9/28/2022	5:18:25 PM	1	34.1754	8	1
9/28/2022	5:19:01 PM	1	32.93266	35	1
9/28/2022	5:19:04 PM	1	32.31129	3	0
9/28/2022	5:19:11 PM	1	37.90363	7	0
9/28/2022	5:19:13 PM	1	36.66089	2	0
9/28/2022	5:19:23 PM	1	39.14637	10	1
9/28/2022	5:19:33 PM	1	39.76774	10	1
9/28/2022	5:19:38 PM	1	36.03952	4	0
9/28/2022	5:19:39 PM	1	39.14637	1.011	0
9/28/2022	5:19:40 PM	1	36.03952	0.753	0
9/28/2022	5:19:50 PM	1	42.8746	10	1
9/28/2022	5:19:59 PM	1	35.41814	9	1
9/28/2022	5:20:26 PM	1	31.68992	26	1
9/28/2022	5:20:31 PM	1	32.93266	5	0
9/28/2022	5:20:42 PM	1	37.90363	10	1
9/28/2022	5:20:43 PM	1	37.90363	1.478	0
9/28/2022	5:20:57 PM	1	41.01048	13	1
9/28/2022	5:21:04 PM	1	34.79678	7	0
9/28/2022	5:21:08 PM	1	33.55403	4	0
9/28/2022	5:21:19 PM	1	41.63186	12	1
9/28/2022	5:21:41 PM	1	38.525	22	1
9/28/2022	5:21:46 PM	1	32.93266	4	0
9/28/2022	5:21:51 PM	1	40.38911	5	0
9/28/2022	5:22:33 PM	1	37.28226	41	1
9/28/2022	5:22:40 PM	1	34.79678	7	0
9/28/2022	5:22:50 PM	1	31.68992	10	1
9/28/2022	5:22:58 PM	1	37.90363	8	1
9/28/2022	5:23:01 PM	1	42.8746	3	0
9/28/2022	5:23:04 PM	1	42.8746	3	0
9/28/2022	5:23:06 PM	1	42.8746	1.507	0
9/28/2022	5:23:27 PM	1	35.41814	21	1
9/28/2022	5:23:31 PM	1	41.01048	4	0
9/28/2022	5:23:42 PM	1	28.58307	10	1
9/28/2022	5:23:43 PM	1	31.68992	2	0
9/28/2022	5:23:45 PM	1	31.68992	0.865	0
9/28/2022	5:23:47 PM	1	37.28226	2	0
9/28/2022	5:23:48 PM	1	37.28226	1.076	0
9/28/2022	5:23:52 PM	1	33.55403	3	0
9/28/2022	5:23:59 PM	1	41.63186	7	0
9/28/2022	5:24:07 PM	1	35.41814	7	0
9/28/2022	5:24:14 PM	1	32.93266	7	0
9/28/2022	5:24:17 PM	1	34.79678	3	0

9/28/2022	5:24:38 PM	1	37.28226	20	1
9/28/2022	5:24:53 PM	1	34.79678	16	1
9/28/2022	5:25:00 PM	1	39.14637	6	0
9/28/2022	5:25:03 PM	1	39.14637	3	0
9/28/2022	5:25:24 PM	1	34.1754	21	1
9/28/2022	5:25:36 PM	1	46.60282	12	1
9/28/2022	5:25:54 PM	1	36.03952	18	1
9/28/2022	5:26:02 PM	1	27.96169	8	1
9/28/2022	5:26:33 PM	1	41.63186	31	1
9/28/2022	5:26:52 PM	1	41.01048	19	1
9/28/2022	5:26:56 PM	1	44.73871	4	0
9/28/2022	5:27:00 PM	1	42.25323	4	0
9/28/2022	5:27:09 PM	1	31.68992	8	1
9/28/2022	5:27:10 PM	1	31.68992	1.121	0
9/28/2022	5:27:18 PM	1	34.79678	8	1
9/28/2022	5:27:35 PM	1	39.14637	16	1
9/28/2022	5:27:55 PM	1	35.41814	20	1
9/28/2022	5:28:22 PM	1	43.49597	28	1
9/28/2022	5:28:24 PM	1	37.90363	1.42	0
9/28/2022	5:28:44 PM	1	42.8746	20	1
9/28/2022	5:28:49 PM	1	39.76774	4	0
9/28/2022	5:28:52 PM	1	36.66089	3	0
9/28/2022	5:28:57 PM	1	40.38911	4	0
9/28/2022	5:29:05 PM	1	36.66089	8	1
9/28/2022	5:29:06 PM	1	36.66089	1.061	0
9/28/2022	5:29:13 PM	1	37.28226	6	0
9/28/2022	5:29:54 PM	1	36.03952	41	1
9/28/2022	5:29:55 PM	1	36.03952	1.296	0
9/28/2022	5:30:02 PM	1	34.1754	6	0
9/28/2022	5:30:11 PM	1	33.55403	9	1
9/28/2022	5:30:39 PM	1	41.63186	28	1
9/28/2022	5:30:52 PM	1	35.41814	13	1
9/29/2022	7:00:44 AM	1	35.41814	72	1
9/29/2022	7:02:00 AM	1	36.03952	76	1
9/29/2022	7:02:13 AM	1	34.79678	12	1
9/29/2022	7:02:21 AM	1	37.90363	8	1
9/29/2022	7:02:53 AM	1	32.31129	31	1
9/29/2022	7:03:43 AM	1	35.41814	49	1
9/29/2022	7:03:47 AM	1	39.76774	4	0
9/29/2022	7:04:12 AM	1	23.6121	24	1
9/29/2022	7:04:18 AM	1	36.66089	6	0
9/29/2022	7:04:20 AM	1	36.66089	1.363	0
9/29/2022	7:04:34 AM	1	46.60282	14	1
9/29/2022	7:05:11 AM	1	38.525	37	1
9/29/2022	7:05:18 AM	1	44.73871	7	0
9/29/2022	7:05:33 AM	1	37.28226	14	1
9/29/2022	7:05:35 AM	1	37.90363	2	0
9/29/2022	7:05:45 AM	1	39.14637	9	1
9/29/2022	7:05:48 AM	1	40.38911	3	0
9/29/2022	7:05:52 AM	1	38.525	3	0
9/29/2022	7:06:04 AM	1	31.06855	12	1
9/29/2022	7:06:18 AM	1	34.79678	13	1
9/29/2022	7:06:37 AM	1	40.38911	19	1
9/29/2022	7:06:46 AM	1	37.90363	8	1
9/29/2022	7:06:59 AM	1	36.03952	13	1
9/29/2022	7:07:16 AM	1	39.76774	16	1
9/29/2022	7:07:56 AM	1	50.95242	40	1
9/29/2022	7:08:41 AM	1	41.63186	45	1
9/29/2022	7:08:46 AM	1	39.76774	5	0
9/29/2022	7:08:49 AM	1	42.8746	3	0
9/29/2022	7:09:11 AM	1	32.31129	22	1
9/29/2022	7:09:14 AM	1	39.14637	3	0
9/29/2022	7:09:33 AM	1	36.03952	19	1
9/29/2022	7:09:39 AM	1	39.14637	6	0
9/29/2022	7:09:42 AM	1	32.93266	2	0
9/29/2022	7:09:45 AM	1	32.31129	2	0
9/29/2022	7:10:44 AM	1	43.49597	59	1
9/29/2022	7:10:48 AM	1	43.49597	3	0
9/29/2022	7:10:53 AM	1	37.90363	5	0
9/29/2022	7:10:57 AM	1	41.01048	4	0
9/29/2022	7:11:10 AM	1	27.96169	12	1

9/29/2022	7:11:15 AM	1	32.31129	5	0
9/29/2022	7:12:02 AM	1	36.66089	46	1
9/29/2022	7:12:23 AM	1	38.525	21	1
9/29/2022	7:12:25 AM	1	37.28226	2	0
9/29/2022	7:12:26 AM	1	37.28226	1.111	0
9/29/2022	7:12:40 AM	1	36.03952	14	1
9/29/2022	7:12:46 AM	1	38.525	5	0
9/29/2022	7:12:51 AM	1	33.55403	5	0
9/29/2022	7:13:01 AM	1	43.49597	9	1
9/29/2022	7:13:17 AM	1	40.38911	16	1
9/29/2022	7:13:23 AM	1	36.66089	6	0
9/29/2022	7:13:32 AM	1	33.55403	9	1
9/29/2022	7:13:59 AM	1	42.25323	27	1
9/29/2022	7:14:12 AM	1	36.66089	12	1
9/29/2022	7:14:14 AM	1	34.1754	2	0
9/29/2022	7:14:42 AM	1	41.01048	28	1
9/29/2022	7:15:03 AM	1	37.28226	20	1
9/29/2022	7:15:36 AM	1	34.1754	33	1
9/29/2022	7:16:07 AM	1	36.03952	30	1
9/29/2022	7:16:10 AM	1	38.525	3	0
9/29/2022	7:16:14 AM	1	42.8746	4	0
9/29/2022	7:16:24 AM	1	47.84557	10	1
9/29/2022	7:16:28 AM	1	46.60282	4	0
9/29/2022	7:16:43 AM	1	36.66089	15	1
9/29/2022	7:16:50 AM	1	39.76774	6	0
9/29/2022	7:17:04 AM	1	39.76774	14	1
9/29/2022	7:17:37 AM	1	39.14637	33	1
9/29/2022	7:18:27 AM	1	31.68992	49	1
9/29/2022	7:18:47 AM	1	35.41814	21	1
9/29/2022	7:19:15 AM	1	31.06855	27	1
9/29/2022	7:19:31 AM	1	44.11734	16	1
9/29/2022	7:19:37 AM	1	36.66089	5	0
9/29/2022	7:20:06 AM	1	37.90363	29	1
9/29/2022	7:20:12 AM	1	41.63186	6	0
9/29/2022	7:20:14 AM	1	39.14637	2	0
9/29/2022	7:20:20 AM	1	33.55403	6	0
9/29/2022	7:21:00 AM	1	39.14637	39	1
9/29/2022	7:21:26 AM	1	38.525	25	1
9/29/2022	7:21:31 AM	1	38.525	5	0
9/29/2022	7:21:32 AM	1	38.525	0.851	0
9/29/2022	7:21:47 AM	1	39.14637	15	1
9/29/2022	7:22:20 AM	1	50.33105	33	1
9/29/2022	7:22:23 AM	1	45.98145	2	0
9/29/2022	7:22:57 AM	1	37.90363	34	1
9/29/2022	7:24:31 AM	1	36.03952	94	1
9/29/2022	7:24:59 AM	1	30.44718	27	1
9/29/2022	7:25:01 AM	1	29.82581	2	0
9/29/2022	7:25:27 AM	1	45.36008	25	1
9/29/2022	7:25:40 AM	1	35.41814	13	1
9/29/2022	7:26:03 AM	1	49.08831	23	1
9/29/2022	7:26:07 AM	1	46.60282	4	0
9/29/2022	7:26:24 AM	1	34.79678	16	1
9/29/2022	7:26:27 AM	1	31.06855	3	0
9/29/2022	7:27:22 AM	1	39.76774	55	1
9/29/2022	7:27:25 AM	1	44.11734	2	0
9/29/2022	7:27:28 AM	1	45.98145	3	0
9/29/2022	7:27:33 AM	1	38.525	5	0
9/29/2022	7:27:38 AM	1	37.90363	4	0
9/29/2022	7:28:02 AM	1	30.44718	24	1
9/29/2022	7:28:04 AM	1	30.44718	0.522	0
9/29/2022	7:28:10 AM	1	36.66089	6	0
9/29/2022	7:28:14 AM	1	39.76774	4	0
9/29/2022	7:28:35 AM	1	39.14637	21	1
9/29/2022	7:29:10 AM	1	31.68992	35	1
9/29/2022	7:29:11 AM	1	31.68992	0.738	0
9/29/2022	7:29:19 AM	1	35.41814	7	0
9/29/2022	7:29:28 AM	1	45.98145	9	1
9/29/2022	7:30:04 AM	1	31.68992	35	1
9/29/2022	7:30:11 AM	1	31.68992	8	1
9/29/2022	7:30:13 AM	1	31.68992	1.756	0
9/29/2022	7:30:17 AM	1	36.66089	3	0

9/29/2022 7:30:36 AM	1	26.71895	19	1
9/29/2022 7:30:37 AM	1	26.71895	0.994	0
9/29/2022 7:30:39 AM	1	26.71895	1.364	0
9/29/2022 7:30:41 AM	1	29.82581	2	0
9/29/2022 7:30:44 AM	1	31.68992	2	0
9/29/2022 7:30:50 AM	1	30.44718	6	0
9/29/2022 7:30:57 AM	1	39.76774	7	0
9/29/2022 7:31:44 AM	1	32.31129	46	1
9/29/2022 7:31:45 AM	1	32.31129	0.463	0
9/29/2022 7:31:54 AM	1	41.63186	8	1
9/29/2022 7:31:58 AM	1	39.14637	4	0
9/29/2022 7:32:20 AM	1	32.93266	20	1
9/29/2022 7:32:22 AM	1	34.1754	2	0
9/29/2022 7:32:40 AM	1	33.55403	17	1
9/29/2022 7:33:14 AM	1	24.23347	33	1
9/29/2022 7:33:18 AM	1	31.68992	4	0
9/29/2022 7:33:20 AM	1	31.68992	0.9	0
9/29/2022 7:33:36 AM	1	34.1754	15	1
9/29/2022 7:33:38 AM	1	34.1754	2	0
9/29/2022 7:33:39 AM	1	34.1754	0.943	0
9/29/2022 7:33:41 AM	1	39.76774	2	0
9/29/2022 7:33:47 AM	1	37.28226	6	0
9/29/2022 7:34:02 AM	1	31.06855	15	1
9/29/2022 7:34:51 AM	1	32.31129	48	1
9/29/2022 7:35:23 AM	1	39.76774	32	1
9/29/2022 7:35:44 AM	1	39.76774	21	1
9/29/2022 7:36:23 AM	1	28.58307	38	1
9/29/2022 7:36:28 AM	1	39.76774	5	0
9/29/2022 7:36:50 AM	1	38.525	21	1
9/29/2022 7:37:01 AM	1	37.90363	11	1
9/29/2022 7:37:02 AM	1	37.90363	1.272	0
9/29/2022 7:37:58 AM	1	44.11734	55	1
9/29/2022 7:38:31 AM	1	35.41814	33	1
9/29/2022 7:38:35 AM	1	32.31129	3	0
9/29/2022 7:38:39 AM	1	40.38911	4	0
9/29/2022 7:38:42 AM	1	32.31129	4	0
9/29/2022 7:38:50 AM	1	34.1754	7	0
9/29/2022 7:38:51 AM	1	34.1754	0.869	0
9/29/2022 7:39:01 AM	1	41.63186	10	1
9/29/2022 7:39:21 AM	1	34.79678	19	1
9/29/2022 7:40:10 AM	1	37.90363	49	1
9/29/2022 7:40:15 AM	1	39.76774	5	0
9/29/2022 7:40:37 AM	1	35.41814	22	1
9/29/2022 7:41:08 AM	1	31.06855	30	1
9/29/2022 7:41:18 AM	1	32.31129	10	1
9/29/2022 7:41:39 AM	1	30.44718	20	1
9/29/2022 7:41:47 AM	1	37.28226	8	1
9/29/2022 7:42:02 AM	1	34.1754	15	1
9/29/2022 7:42:13 AM	1	31.06855	11	1
9/29/2022 7:42:25 AM	1	35.41814	11	1
9/29/2022 7:42:56 AM	1	39.76774	31	1
9/29/2022 7:43:31 AM	1	37.28226	35	1
9/29/2022 7:43:48 AM	1	42.8746	17	1
9/29/2022 7:44:06 AM	1	41.63186	17	1
9/29/2022 7:44:39 AM	1	29.20444	32	1
9/29/2022 7:44:43 AM	1	32.93266	4	0
9/29/2022 7:45:46 AM	1	34.1754	62	1
9/29/2022 7:46:05 AM	1	34.1754	19	1
9/29/2022 7:46:55 AM	1	42.25323	50	1
9/29/2022 7:47:19 AM	1	32.93266	24	1
9/29/2022 7:47:46 AM	1	32.31129	26	1
9/29/2022 7:47:57 AM	1	46.60282	11	1
9/29/2022 7:48:03 AM	1	31.06855	7	0
9/29/2022 7:48:11 AM	1	33.55403	7	0
9/29/2022 7:48:13 AM	1	30.44718	2	0
9/29/2022 7:48:15 AM	1	38.525	2	0
9/29/2022 7:48:19 AM	1	38.525	3	0
9/29/2022 7:48:40 AM	1	25.47621	21	1
9/29/2022 7:49:12 AM	1	52.19516	33	1
9/29/2022 7:49:33 AM	1	41.63186	20	1
9/29/2022 7:49:47 AM	1	40.38911	14	1

9/29/2022	7:49:52 AM	1	40.38911	5	0
9/29/2022	7:49:58 AM	1	41.01048	6	0
9/29/2022	7:49:59 AM	1	41.01048	1.1	0
9/29/2022	7:50:05 AM	1	41.63186	5	0
9/29/2022	7:50:17 AM	1	31.68992	12	1
9/29/2022	7:50:19 AM	1	31.68992	1.46	0
9/29/2022	7:50:21 AM	1	36.03952	2	0
9/29/2022	7:50:42 AM	1	30.44718	20	1
9/29/2022	7:50:43 AM	1	31.68992	1.516	0
9/29/2022	7:50:49 AM	1	37.28226	5	0
9/29/2022	7:50:50 AM	1	37.28226	0.721	0
9/29/2022	7:50:57 AM	1	31.06855	6	0
9/29/2022	7:51:06 AM	1	31.06855	9	1
9/29/2022	7:51:08 AM	1	31.06855	0.756	0
9/29/2022	7:51:11 AM	1	29.82581	3	0
9/29/2022	7:51:15 AM	1	32.93266	4	0
9/29/2022	7:51:34 AM	1	39.14637	19	1
9/29/2022	7:51:37 AM	1	46.60282	3	0
9/29/2022	7:51:40 AM	1	39.76774	2	0
9/29/2022	7:51:52 AM	1	33.55403	12	1
9/29/2022	7:52:15 AM	1	33.55403	22	1
9/29/2022	7:52:32 AM	1	38.525	17	1
9/29/2022	7:52:36 AM	1	37.28226	4	0
9/29/2022	7:52:38 AM	1	37.28226	2	0
9/29/2022	7:52:48 AM	1	29.20444	9	1
9/29/2022	7:52:53 AM	1	32.31129	5	0
9/29/2022	7:52:54 AM	1	32.31129	0.985	0
9/29/2022	7:53:10 AM	1	34.1754	16	1
9/29/2022	7:53:23 AM	1	31.06855	13	1
9/29/2022	7:53:25 AM	1	31.68992	2	0
9/29/2022	7:53:27 AM	1	30.44718	2	0
9/29/2022	7:53:33 AM	1	40.38911	6	0
9/29/2022	7:54:17 AM	1	37.28226	43	1
9/29/2022	7:54:19 AM	1	35.41814	2	0
9/29/2022	7:54:20 AM	1	35.41814	0.771	0
9/29/2022	7:54:37 AM	1	31.68992	16	1
9/29/2022	7:54:39 AM	1	34.79678	2	0
9/29/2022	7:55:23 AM	1	31.68992	44	1
9/29/2022	7:55:27 AM	1	37.28226	3	0
9/29/2022	7:55:49 AM	1	32.31129	22	1
9/29/2022	7:55:54 AM	1	36.66089	5	0
9/29/2022	7:56:11 AM	1	37.90363	17	1
9/29/2022	7:56:17 AM	1	28.58307	5	0
9/29/2022	7:56:25 AM	1	33.55403	8	1
9/29/2022	7:56:32 AM	1	31.68992	6	0
9/29/2022	7:56:35 AM	1	32.93266	3	0
9/29/2022	7:56:37 AM	1	32.93266	0.886	0
9/29/2022	7:56:38 AM	1	32.93266	0.736	0
9/29/2022	7:56:44 AM	1	50.33105	6	0
9/29/2022	7:56:48 AM	1	41.01048	3	0
9/29/2022	7:57:36 AM	1	21.12661	47	1
9/29/2022	7:57:38 AM	1	21.12661	0.549	0
9/29/2022	7:57:39 AM	1	21.12661	1.448	0
9/29/2022	7:57:46 AM	1	27.96169	7	0
9/29/2022	7:57:50 AM	1	31.06855	3	0
9/29/2022	7:57:51 AM	1	31.06855	0.748	0
9/29/2022	7:57:52 AM	1	31.06855	1.148	0
9/29/2022	7:57:54 AM	1	31.06855	1.32	0
9/29/2022	7:57:55 AM	1	33.55403	2	0
9/29/2022	7:58:12 AM	1	32.31129	17	1
9/29/2022	7:58:42 AM	1	44.73871	30	1
9/29/2022	7:59:12 AM	1	28.58307	30	1
9/29/2022	7:59:15 AM	1	29.20444	2	0
9/29/2022	7:59:16 AM	1	29.20444	1.114	0
9/29/2022	7:59:18 AM	1	29.20444	1.506	0
9/29/2022	7:59:20 AM	1	29.20444	1.25	0
9/29/2022	7:59:22 AM	1	29.20444	2	0
9/29/2022	7:59:23 AM	1	29.20444	1.244	0
9/29/2022	7:59:26 AM	1	29.82581	2	0
9/29/2022	4:30:01 PM	1	36.66089	2	0
9/29/2022	4:30:02 PM	1	36.66089	1.174	0

9/29/2022 4:30:14 PM	1	36.03952	12	1
9/29/2022 4:30:38 PM	1	34.1754	23	1
9/29/2022 4:30:47 PM	1	35.41814	9	1
9/29/2022 4:30:48 PM	1	37.28226	0.943	0
9/29/2022 4:30:48 PM	1	37.28226	0.19	0
9/29/2022 4:30:49 PM	1	37.28226	1.165	0
9/29/2022 4:31:21 PM	1	35.41814	32	1
9/29/2022 4:31:32 PM	1	32.31129	11	1
9/29/2022 4:31:45 PM	1	33.55403	12	1
9/29/2022 4:32:26 PM	1	31.68992	40	1
9/29/2022 4:32:27 PM	1	31.68992	1.235	0
9/29/2022 4:32:29 PM	1	31.68992	0.938	0
9/29/2022 4:32:45 PM	1	31.68992	16	1
9/29/2022 4:32:46 PM	1	31.68992	0.765	0
9/29/2022 4:33:03 PM	1	34.1754	17	1
9/29/2022 4:33:06 PM	1	34.1754	2	0
9/29/2022 4:33:08 PM	1	34.1754	2	0
9/29/2022 4:33:15 PM	1	31.06855	6	0
9/29/2022 4:33:17 PM	1	35.41814	2	0
9/29/2022 4:33:21 PM	1	32.31129	3	0
9/29/2022 4:33:27 PM	1	34.79678	5	0
9/29/2022 4:33:29 PM	1	31.68992	2	0
9/29/2022 4:33:56 PM	1	30.44718	26	1
9/29/2022 4:34:13 PM	1	37.28226	17	1
9/29/2022 4:34:27 PM	1	36.66089	13	1
9/29/2022 4:34:30 PM	1	39.76774	3	0
9/29/2022 4:34:37 PM	1	41.01048	7	0
9/29/2022 4:34:48 PM	1	36.66089	11	1
9/29/2022 4:34:54 PM	1	37.28226	5	0
9/29/2022 4:34:59 PM	1	35.41814	5	0
9/29/2022 4:35:12 PM	1	24.85484	13	1
9/29/2022 4:35:15 PM	1	36.03952	2	0
9/29/2022 4:35:24 PM	1	35.41814	9	1
9/29/2022 4:35:26 PM	1	35.41814	1.279	0
9/29/2022 4:35:35 PM	1	32.31129	9	1
9/29/2022 4:35:40 PM	1	31.06855	4	0
9/29/2022 4:36:03 PM	1	39.76774	23	1
9/29/2022 4:36:29 PM	1	36.03952	26	1
9/29/2022 4:36:32 PM	1	37.28226	2	0
9/29/2022 4:37:03 PM	1	32.31129	30	1
9/29/2022 4:37:04 PM	1	32.31129	0.761	0
9/29/2022 4:37:06 PM	1	31.68992	2	0
9/29/2022 4:37:11 PM	1	35.41814	5	0
9/29/2022 4:38:04 PM	1	32.93266	52	1
9/29/2022 4:38:12 PM	1	39.76774	8	1
9/29/2022 4:38:39 PM	1	41.01048	27	1
9/29/2022 4:38:45 PM	1	37.28226	5	0
9/29/2022 4:38:48 PM	1	36.66089	3	0
9/29/2022 4:38:51 PM	1	34.79678	3	0
9/29/2022 4:39:10 PM	1	44.11734	19	1
9/29/2022 4:39:15 PM	1	40.38911	5	0
9/29/2022 4:39:19 PM	1	36.66089	4	0
9/29/2022 4:39:25 PM	1	42.25323	6	0
9/29/2022 4:39:27 PM	1	42.25323	1.504	0
9/29/2022 4:39:28 PM	1	42.25323	0.914	0
9/29/2022 4:40:07 PM	1	30.44718	39	1
9/29/2022 4:40:09 PM	1	30.44718	0.926	0
9/29/2022 4:40:36 PM	1	37.28226	28	1
9/29/2022 4:40:40 PM	1	37.28226	3	0
9/29/2022 4:41:00 PM	1	34.79678	19	1
9/29/2022 4:41:07 PM	1	36.03952	7	0
9/29/2022 4:41:09 PM	1	33.55403	1.587	0
9/29/2022 4:41:10 PM	1	33.55403	0.495	0
9/29/2022 4:41:36 PM	1	36.03952	26	1
9/29/2022 4:41:45 PM	1	33.55403	8	1
9/29/2022 4:42:24 PM	1	37.90363	39	1
9/29/2022 4:42:26 PM	1	35.41814	1.187	0
9/29/2022 4:42:30 PM	1	39.76774	4	0
9/29/2022 4:42:46 PM	1	32.93266	16	1
9/29/2022 4:43:04 PM	1	39.14637	17	1
9/29/2022 4:43:08 PM	1	36.66089	4	0

9/29/2022	4:43:11 PM	1	40.38911	3	0
9/29/2022	4:43:40 PM	1	31.06855	29	1
9/29/2022	4:43:45 PM	1	34.79678	5	0
9/29/2022	4:44:43 PM	1	36.66089	58	1
9/29/2022	4:44:53 PM	1	37.28226	9	1
9/29/2022	4:45:01 PM	1	41.63186	8	1
9/29/2022	4:45:05 PM	1	43.49597	4	0
9/29/2022	4:45:14 PM	1	46.60282	8	1
9/29/2022	4:45:20 PM	1	36.66089	7	0
9/29/2022	4:45:40 PM	1	31.06855	19	1
9/29/2022	4:45:45 PM	1	26.09758	5	0
9/29/2022	4:46:00 PM	1	42.25323	14	1
9/29/2022	4:46:13 PM	1	33.55403	13	1
9/29/2022	4:46:19 PM	1	33.55403	6	0
9/29/2022	4:46:26 PM	1	35.41814	7	0
9/29/2022	4:46:58 PM	1	41.01048	32	1
9/29/2022	4:47:00 PM	1	40.38911	2	0
9/29/2022	4:47:09 PM	1	35.41814	8	1
9/29/2022	4:47:10 PM	1	35.41814	0.975	0
9/29/2022	4:47:12 PM	1	35.41814	2	0
9/29/2022	4:47:15 PM	1	29.82581	3	0
9/29/2022	4:47:16 PM	1	29.82581	1.001	0
9/29/2022	4:47:21 PM	1	33.55403	4	0
9/29/2022	4:47:24 PM	1	36.03952	3	0
9/29/2022	4:47:43 PM	1	37.90363	18	1
9/29/2022	4:47:55 PM	1	33.55403	12	1
9/29/2022	4:48:17 PM	1	32.93266	21	1
9/29/2022	4:48:57 PM	1	34.1754	40	1
9/29/2022	4:48:59 PM	1	34.79678	2	0
9/29/2022	4:49:07 PM	1	37.90363	8	1
9/29/2022	4:49:11 PM	1	37.90363	3	0
9/29/2022	4:49:29 PM	1	27.96169	18	1
9/29/2022	4:49:32 PM	1	28.58307	3	0
9/29/2022	4:49:34 PM	1	28.58307	1.406	0
9/29/2022	4:49:55 PM	1	24.85484	20	1
9/29/2022	4:50:02 PM	1	28.58307	7	0
9/29/2022	4:50:03 PM	1	28.58307	1.081	0
9/29/2022	4:50:05 PM	1	28.58307	1.422	0
9/29/2022	4:50:34 PM	1	27.34032	29	1
9/29/2022	4:50:51 PM	1	34.1754	17	1
9/29/2022	4:50:52 PM	1	34.1754	0.761	0
9/29/2022	4:51:13 PM	1	39.76774	21	1
9/29/2022	4:51:21 PM	1	37.90363	8	1
9/29/2022	4:51:28 PM	1	44.73871	7	0
9/29/2022	4:51:36 PM	1	32.93266	7	0
9/29/2022	4:51:45 PM	1	38.525	8	1
9/29/2022	4:51:46 PM	1	38.525	1.067	0
9/29/2022	4:52:39 PM	1	38.525	53	1
9/29/2022	4:52:41 PM	1	38.525	0.97	0
9/29/2022	4:52:43 PM	1	41.63186	2	0
9/29/2022	4:52:54 PM	1	29.20444	11	1
9/29/2022	4:53:12 PM	1	16.77702	655	1
9/29/2022	4:53:13 PM	1	25.47621	18	1
9/29/2022	4:53:22 PM	1	45.36008	9	1
9/29/2022	4:53:34 PM	1	42.25323	12	1
9/29/2022	4:53:39 PM	1	39.76774	4	0
9/29/2022	4:53:40 PM	1	39.76774	1.11	0
9/29/2022	4:53:44 PM	1	39.76774	4	0
9/29/2022	4:54:42 PM	1	36.03952	58	1
9/29/2022	4:54:52 PM	1	41.01048	10	1
9/29/2022	4:55:03 PM	1	31.06855	10	1
9/29/2022	4:55:15 PM	1	41.63186	12	1
9/29/2022	4:55:15 PM	1	41.63186	0.293	0
9/29/2022	4:55:22 PM	1	36.66089	6	0
9/29/2022	4:55:46 PM	1	38.525	23	1
9/29/2022	4:56:21 PM	1	38.525	35	1
9/29/2022	4:56:28 PM	1	42.8746	7	0
9/29/2022	4:56:47 PM	1	36.03952	20	1
9/29/2022	4:56:58 PM	1	32.93266	10	1
9/29/2022	4:57:00 PM	1	44.11734	2	0
9/29/2022	4:57:02 PM	1	44.11734	1.454	0

9/29/2022	4:57:18 PM	1	36.03952	16	1
9/29/2022	4:57:36 PM	1	39.14637	18	1
9/29/2022	4:57:38 PM	1	40.38911	1.378	0
9/29/2022	4:57:46 PM	1	36.66089	7	0
9/29/2022	4:57:48 PM	1	41.63186	2	0
9/29/2022	4:58:00 PM	1	43.49597	11	1
9/29/2022	4:58:21 PM	1	32.31129	21	1
9/29/2022	4:58:26 PM	1	38.525	5	0
9/29/2022	4:58:37 PM	1	42.8746	10	1
9/29/2022	4:58:58 PM	1	30.44718	20	1
9/29/2022	4:59:01 PM	1	29.20444	3	0
9/29/2022	4:59:03 PM	1	31.06855	2	0
9/29/2022	4:59:15 PM	1	32.93266	12	1
9/29/2022	4:59:56 PM	1	34.79678	41	1
9/29/2022	5:00:23 PM	1	34.1754	26	1
9/29/2022	5:00:27 PM	1	36.66089	4	0
9/29/2022	5:00:28 PM	1	36.66089	0.756	0
9/29/2022	5:00:50 PM	1	35.41814	21	1
9/29/2022	5:00:53 PM	1	35.41814	3	0
9/29/2022	5:00:56 PM	1	37.90363	3	0
9/29/2022	5:01:03 PM	1	39.76774	7	0
9/29/2022	5:01:06 PM	1	37.28226	3	0
9/29/2022	5:01:09 PM	1	32.93266	3	0
9/29/2022	5:01:14 PM	1	34.1754	4	0
9/29/2022	5:01:28 PM	1	32.93266	14	1
9/29/2022	5:01:30 PM	1	30.44718	2	0
9/29/2022	5:01:32 PM	1	30.44718	1.318	0
9/29/2022	5:01:33 PM	1	30.44718	1.185	0
9/29/2022	5:01:35 PM	1	37.90363	2	0
9/29/2022	5:01:36 PM	1	37.90363	0.781	0
9/29/2022	5:01:47 PM	1	39.14637	10	1
9/29/2022	5:01:48 PM	1	39.76774	1.448	0
9/29/2022	5:02:01 PM	1	39.14637	12	1
9/29/2022	5:02:20 PM	1	31.06855	18	1
9/29/2022	5:02:35 PM	1	35.41814	15	1
9/29/2022	5:02:48 PM	1	38.525	13	1
9/29/2022	5:02:53 PM	1	36.66089	4	0
9/29/2022	5:02:56 PM	1	41.01048	3	0
9/29/2022	5:02:58 PM	1	37.90363	3	0
9/29/2022	5:03:03 PM	1	34.79678	4	0
9/29/2022	5:03:07 PM	1	36.03952	4	0
9/29/2022	5:03:18 PM	1	32.31129	11	1
9/29/2022	5:03:32 PM	1	41.63186	14	1
9/29/2022	5:03:33 PM	1	41.63186	0.818	0
9/29/2022	5:04:23 PM	1	42.8746	49	1
9/29/2022	5:04:28 PM	1	34.79678	6	0
9/29/2022	5:04:58 PM	1	40.38911	29	1
9/29/2022	5:04:58 PM	1	40.38911	0.492	0
9/29/2022	5:05:00 PM	1	40.38911	1.407	0
9/29/2022	5:05:05 PM	1	42.8746	4	0
9/29/2022	5:05:06 PM	1	37.28226	1.487	0
9/29/2022	5:05:08 PM	1	37.28226	1.241	0
9/29/2022	5:05:10 PM	1	37.90363	2	0
9/29/2022	5:05:12 PM	1	37.90363	1.377	0
9/29/2022	5:05:24 PM	1	40.38911	13	1
9/29/2022	5:05:27 PM	1	36.03952	2	0
9/29/2022	5:05:34 PM	1	31.06855	7	0
9/29/2022	5:05:57 PM	1	36.03952	23	1
9/29/2022	5:06:58 PM	1	34.79678	61	1
9/29/2022	5:06:59 PM	1	34.79678	0.88	0
9/29/2022	5:07:01 PM	1	34.79678	1.178	0
9/29/2022	5:07:03 PM	1	35.41814	2	0
9/29/2022	5:07:07 PM	1	33.55403	3	0
9/29/2022	5:07:14 PM	1	35.41814	7	0
9/29/2022	5:07:16 PM	1	35.41814	2	0
9/29/2022	5:07:21 PM	1	34.1754	4	0
9/29/2022	5:07:34 PM	1	34.1754	13	1
9/29/2022	5:07:37 PM	1	37.28226	3	0
9/29/2022	5:07:57 PM	1	27.34032	20	1
9/29/2022	5:08:02 PM	1	30.44718	4	0
9/29/2022	5:08:28 PM	1	36.03952	26	1

9/29/2022	5:08:43 PM	1	33.55403	14	1
9/29/2022	5:08:46 PM	1	35.41814	3	0
9/29/2022	5:08:50 PM	1	31.06855	4	0
9/29/2022	5:08:53 PM	1	31.06855	2	0
9/29/2022	5:08:56 PM	1	34.79678	3	0
9/29/2022	5:09:08 PM	1	38.525	12	1
9/29/2022	5:09:38 PM	1	32.31129	30	1
9/29/2022	5:09:41 PM	1	39.76774	2	0
9/29/2022	5:09:46 PM	1	37.90363	5	0
9/29/2022	5:10:01 PM	1	38.525	15	1
9/29/2022	5:10:14 PM	1	39.14637	13	1
9/29/2022	5:10:30 PM	1	40.38911	16	1
9/29/2022	5:10:38 PM	1	30.44718	7	0
9/29/2022	5:11:00 PM	1	37.90363	22	1
9/29/2022	5:11:02 PM	1	37.90363	2	0
9/29/2022	5:11:10 PM	1	41.01048	8	1
9/29/2022	5:11:14 PM	1	29.82581	4	0
9/29/2022	5:11:30 PM	1	41.01048	15	1
9/29/2022	5:11:37 PM	1	39.76774	7	0
9/29/2022	5:12:01 PM	1	33.55403	24	1
9/29/2022	5:12:35 PM	1	27.34032	34	1
9/29/2022	5:12:36 PM	1	27.34032	0.788	0
9/29/2022	5:12:43 PM	1	37.28226	6	0
9/29/2022	5:12:52 PM	1	38.525	10	1
9/29/2022	5:13:00 PM	1	33.55403	8	1
9/29/2022	5:13:15 PM	1	38.525	14	1
9/29/2022	5:13:25 PM	1	31.06855	10	1
9/29/2022	5:13:29 PM	1	39.76774	4	0
9/29/2022	5:13:38 PM	1	39.14637	9	1
9/29/2022	5:13:55 PM	1	41.63186	16	1
9/29/2022	5:14:20 PM	1	37.90363	25	1
9/29/2022	5:14:24 PM	1	41.01048	4	0
9/29/2022	5:14:33 PM	1	41.01048	9	1
9/29/2022	5:15:00 PM	1	39.76774	27	1
9/29/2022	5:15:13 PM	1	37.90363	12	1
9/29/2022	5:15:35 PM	1	28.58307	22	1
9/29/2022	5:15:37 PM	1	36.03952	2	0
9/29/2022	5:15:42 PM	1	34.1754	5	0
9/29/2022	5:15:53 PM	1	34.1754	10	1
9/29/2022	5:15:55 PM	1	34.1754	2	0
9/29/2022	5:16:04 PM	1	42.25323	9	1
9/29/2022	5:16:22 PM	1	39.14637	18	1
9/29/2022	5:16:31 PM	1	37.90363	8	1
9/29/2022	5:16:35 PM	1	39.76774	4	0
9/29/2022	5:17:23 PM	1	34.1754	48	1
9/29/2022	5:17:29 PM	1	33.55403	6	0
9/29/2022	5:17:31 PM	1	34.79678	2	0
9/29/2022	5:17:35 PM	1	39.14637	4	0
9/29/2022	5:17:38 PM	1	39.14637	3	0
9/29/2022	5:17:52 PM	1	42.25323	14	1
9/29/2022	5:18:07 PM	1	41.63186	14	1
9/29/2022	5:19:09 PM	1	36.66089	62	1
9/29/2022	5:19:20 PM	1	37.28226	11	1
9/29/2022	5:20:20 PM	1	36.66089	59	1
9/29/2022	5:21:03 PM	1	39.14637	43	1
9/29/2022	5:21:08 PM	1	35.41814	4	0
9/29/2022	5:21:10 PM	1	33.55403	2	0
9/29/2022	5:21:11 PM	1	33.55403	0.975	0
9/29/2022	5:21:14 PM	1	35.41814	2	0
9/29/2022	5:21:16 PM	1	30.44718	2	0
9/29/2022	5:21:21 PM	1	44.11734	5	0
9/29/2022	5:21:41 PM	1	31.06855	20	1
9/29/2022	5:22:32 PM	1	31.68992	50	1
9/29/2022	5:22:36 PM	1	33.55403	4	0
9/29/2022	5:22:51 PM	1	31.68992	15	1
9/29/2022	5:22:56 PM	1	36.66089	5	0
9/29/2022	5:23:07 PM	1	32.93266	11	1
9/29/2022	5:23:09 PM	1	32.93266	1.174	0
9/29/2022	5:23:10 PM	1	32.93266	1.352	0
9/29/2022	5:23:44 PM	1	37.28226	33	1
9/29/2022	5:23:46 PM	1	38.525	2	0

9/29/2022	5:23:59 PM	1	34.1754	12	1
9/29/2022	5:24:13 PM	1	35.41814	14	1
9/29/2022	5:24:50 PM	1	36.66089	37	1
9/29/2022	5:24:52 PM	1	36.66089	1.357	0
9/29/2022	5:24:55 PM	1	44.11734	3	0
9/29/2022	5:24:58 PM	1	39.76774	3	0
9/29/2022	5:25:06 PM	1	39.14637	7	0
9/29/2022	5:25:45 PM	1	37.90363	39	1
9/29/2022	5:26:38 PM	1	43.49597	53	1
9/29/2022	5:27:04 PM	1	34.1754	25	1
9/29/2022	5:27:07 PM	1	37.90363	3	0
9/29/2022	5:27:15 PM	1	33.55403	8	1
9/29/2022	5:27:20 PM	1	34.79678	5	0
9/29/2022	5:27:35 PM	1	45.36008	15	1
9/29/2022	5:27:46 PM	1	44.73871	10	1
9/29/2022	5:27:52 PM	1	39.14637	5	0
9/29/2022	5:27:55 PM	1	40.38911	3	0
9/29/2022	5:28:25 PM	1	41.01048	30	1
9/29/2022	5:28:34 PM	1	42.25323	9	1
9/29/2022	5:28:44 PM	1	45.36008	10	1
9/29/2022	5:29:10 PM	1	35.41814	26	1
9/29/2022	5:29:13 PM	1	37.90363	2	0
9/29/2022	5:29:21 PM	1	42.8746	8	1
9/29/2022	5:29:23 PM	1	42.8746	1.208	0
9/29/2022	5:29:30 PM	1	36.66089	7	0
9/29/2022	5:29:38 PM	1	32.31129	8	1
9/29/2022	5:30:02 PM	1	42.25323	24	1
9/30/2022	7:00:34 AM	1	29.82581	40	1
9/30/2022	7:00:50 AM	1	38.525	16	1
9/30/2022	7:01:05 AM	1	37.90363	14	1
9/30/2022	7:01:07 AM	1	39.76774	2	0
9/30/2022	7:01:14 AM	1	34.1754	7	0
9/30/2022	7:01:33 AM	1	36.66089	18	1
9/30/2022	7:03:07 AM	1	41.01048	94	1
9/30/2022	7:03:18 AM	1	37.28226	10	1
9/30/2022	7:03:36 AM	1	39.76774	18	1
9/30/2022	7:03:40 AM	1	32.31129	3	0
9/30/2022	7:03:44 AM	1	34.1754	3	0
9/30/2022	7:03:47 AM	1	35.41814	3	0
9/30/2022	7:03:52 AM	1	34.79678	4	0
9/30/2022	7:04:14 AM	1	30.44718	22	1
9/30/2022	7:04:15 AM	1	30.44718	0.918	0
9/30/2022	7:04:19 AM	1	36.66089	4	0
9/30/2022	7:04:41 AM	1	37.28226	21	1
9/30/2022	7:05:03 AM	1	39.14637	22	1
9/30/2022	7:05:21 AM	1	41.01048	18	1
9/30/2022	7:05:35 AM	1	40.38911	13	1
9/30/2022	7:06:13 AM	1	42.8746	38	1
9/30/2022	7:06:33 AM	1	37.28226	20	1
9/30/2022	7:06:41 AM	1	34.1754	7	0
9/30/2022	7:06:59 AM	1	39.14637	18	1
9/30/2022	7:07:04 AM	1	41.63186	5	0
9/30/2022	7:07:19 AM	1	39.76774	15	1
9/30/2022	7:07:45 AM	1	39.76774	25	1
9/30/2022	7:08:18 AM	1	36.66089	33	1
9/30/2022	7:08:20 AM	1	36.66089	1.191	0
9/30/2022	7:08:28 AM	1	42.8746	8	1
9/30/2022	7:09:06 AM	1	41.63186	38	1
9/30/2022	7:09:34 AM	1	34.79678	28	1
9/30/2022	7:09:41 AM	1	35.41814	7	0
9/30/2022	7:10:04 AM	1	38.525	22	1
9/30/2022	7:10:07 AM	1	44.73871	4	0
9/30/2022	7:10:13 AM	1	41.63186	5	0
9/30/2022	7:10:33 AM	1	34.79678	20	1
9/30/2022	7:11:04 AM	1	35.41814	31	1
9/30/2022	7:11:08 AM	1	33.55403	4	0
9/30/2022	7:11:12 AM	1	34.79678	4	0
9/30/2022	7:11:14 AM	1	34.79678	1.453	0
9/30/2022	7:11:18 AM	1	38.525	4	0
9/30/2022	7:11:23 AM	1	41.01048	4	0
9/30/2022	7:11:34 AM	1	37.28226	11	1

9/30/2022	7:12:19 AM	1	39.76774	45	1
9/30/2022	7:12:40 AM	1	45.36008	20	1
9/30/2022	7:13:01 AM	1	37.28226	20	1
9/30/2022	7:13:11 AM	1	40.38911	10	1
9/30/2022	7:13:29 AM	1	32.93266	17	1
9/30/2022	7:13:30 AM	1	32.93266	0.781	0
9/30/2022	7:13:57 AM	1	44.11734	27	1
9/30/2022	7:14:26 AM	1	39.76774	29	1
9/30/2022	7:14:28 AM	1	39.76774	1.481	0
9/30/2022	7:14:37 AM	1	39.14637	9	1
9/30/2022	7:14:53 AM	1	42.25323	15	1
9/30/2022	7:14:55 AM	1	45.98145	2	0
9/30/2022	7:15:28 AM	1	36.66089	33	1
9/30/2022	7:15:34 AM	1	30.44718	5	0
9/30/2022	7:16:33 AM	1	43.49597	59	1
9/30/2022	7:16:44 AM	1	42.25323	11	1
9/30/2022	7:17:31 AM	1	40.38911	46	1
9/30/2022	7:17:43 AM	1	39.76774	12	1
9/30/2022	7:17:47 AM	1	39.76774	3	0
9/30/2022	7:17:50 AM	1	45.98145	3	0
9/30/2022	7:18:18 AM	1	36.03952	28	1
9/30/2022	7:18:25 AM	1	38.525	7	0
9/30/2022	7:18:27 AM	1	41.01048	1.22	0
9/30/2022	7:18:28 AM	1	41.01048	1.224	0
9/30/2022	7:19:06 AM	1	40.38911	38	1
9/30/2022	7:19:19 AM	1	37.28226	13	1
9/30/2022	7:19:21 AM	1	37.90363	1.065	0
9/30/2022	7:19:56 AM	1	39.76774	35	1
9/30/2022	7:20:01 AM	1	35.41814	5	0
9/30/2022	7:20:11 AM	1	44.73871	10	1
9/30/2022	7:20:29 AM	1	35.41814	17	1
9/30/2022	7:20:50 AM	1	32.31129	21	1
9/30/2022	7:20:52 AM	1	32.93266	1.394	0
9/30/2022	7:20:54 AM	1	32.93266	1.414	0
9/30/2022	7:21:47 AM	1	33.55403	53	1
9/30/2022	7:21:50 AM	1	33.55403	2	0
9/30/2022	7:21:51 AM	1	33.55403	1.29	0
9/30/2022	7:21:58 AM	1	42.25323	7	0
9/30/2022	7:22:03 AM	1	38.525	4	0
9/30/2022	7:22:15 AM	1	43.49597	11	1
9/30/2022	7:22:52 AM	1	32.31129	37	1
9/30/2022	7:22:56 AM	1	38.525	4	0
9/30/2022	7:22:58 AM	1	41.01048	2	0
9/30/2022	7:23:28 AM	1	38.525	30	1
9/30/2022	7:24:22 AM	1	34.79678	54	1
9/30/2022	7:24:23 AM	1	34.79678	0.578	0
9/30/2022	7:24:25 AM	1	37.28226	2	0
9/30/2022	7:24:35 AM	1	29.82581	9	1
9/30/2022	7:24:54 AM	1	33.55403	19	1
9/30/2022	7:25:00 AM	1	32.93266	6	0
9/30/2022	7:25:11 AM	1	34.79678	10	1
9/30/2022	7:25:24 AM	1	38.525	13	1
9/30/2022	7:25:42 AM	1	41.63186	18	1
9/30/2022	7:26:06 AM	1	47.84557	24	1
9/30/2022	7:26:25 AM	1	33.55403	18	1
9/30/2022	7:26:26 AM	1	33.55403	0.689	0
9/30/2022	7:26:45 AM	1	39.14637	18	1
9/30/2022	7:26:52 AM	1	36.03952	7	0
9/30/2022	7:27:09 AM	1	33.55403	16	1
9/30/2022	7:27:12 AM	1	31.68992	3	0
9/30/2022	7:27:13 AM	1	31.68992	1.135	0
9/30/2022	7:27:15 AM	1	39.76774	2	0
9/30/2022	7:27:35 AM	1	34.1754	20	1
9/30/2022	7:28:18 AM	1	27.96169	42	1
9/30/2022	7:28:18 AM	1	27.96169	0.32	0
9/30/2022	7:28:22 AM	1	27.96169	4	0
9/30/2022	7:28:52 AM	1	34.79678	30	1
9/30/2022	7:29:21 AM	1	32.31129	29	1
9/30/2022	7:29:47 AM	1	28.58307	24	1
9/30/2022	7:29:48 AM	1	28.58307	0.624	0
9/30/2022	7:29:49 AM	1	28.58307	0.71	0

9/30/2022	7:29:52 AM	1	28.58307	3	0
9/30/2022	7:29:55 AM	1	29.20444	2	0
9/30/2022	7:30:03 AM	1	29.20444	7	0
9/30/2022	7:30:26 AM	1	38.525	23	1
9/30/2022	7:30:44 AM	1	37.90363	17	1
9/30/2022	7:30:48 AM	1	41.01048	4	0
9/30/2022	7:31:03 AM	1	33.55403	14	1
9/30/2022	7:31:04 AM	1	33.55403	1.487	0
9/30/2022	7:31:06 AM	1	33.55403	1.443	0
9/30/2022	7:31:12 AM	1	44.73871	6	0
9/30/2022	7:31:30 AM	1	25.47621	17	1
9/30/2022	7:31:32 AM	1	25.47621	0.294	0
9/30/2022	7:31:43 AM	1	37.28226	11	1
9/30/2022	7:31:48 AM	1	42.8746	5	0
9/30/2022	7:31:58 AM	1	45.36008	9	1
9/30/2022	7:33:15 AM	1	33.55403	77	1
9/30/2022	7:33:16 AM	1	36.03952	1.476	0
9/30/2022	7:34:24 AM	1	32.31129	67	1
9/30/2022	7:34:39 AM	1	33.55403	14	1
9/30/2022	7:34:45 AM	1	34.1754	6	0
9/30/2022	7:35:12 AM	1	37.28226	26	1
9/30/2022	7:35:14 AM	1	32.93266	2	0
9/30/2022	7:35:47 AM	1	26.71895	33	1
9/30/2022	7:35:49 AM	1	31.68992	2	0
9/30/2022	7:35:57 AM	1	29.82581	8	1
9/30/2022	7:36:08 AM	1	36.03952	10	1
9/30/2022	7:36:16 AM	1	41.63186	7	0
9/30/2022	7:36:46 AM	1	31.68992	30	1
9/30/2022	7:36:51 AM	1	36.66089	4	0
9/30/2022	7:36:57 AM	1	33.55403	6	0
9/30/2022	7:37:00 AM	1	39.14637	2	0
9/30/2022	7:37:18 AM	1	35.41814	18	1
9/30/2022	7:37:40 AM	1	32.31129	22	1
9/30/2022	7:38:07 AM	1	31.68992	26	1
9/30/2022	7:38:20 AM	1	33.55403	12	1
9/30/2022	7:38:29 AM	1	41.01048	8	1
9/30/2022	7:38:57 AM	1	36.66089	28	1
9/30/2022	7:39:12 AM	1	37.28226	14	1
9/30/2022	7:39:43 AM	1	36.66089	31	1
9/30/2022	7:39:45 AM	1	36.66089	1.276	0
9/30/2022	7:39:49 AM	1	34.1754	4	0
9/30/2022	7:39:51 AM	1	32.31129	2	0
9/30/2022	7:39:53 AM	1	32.31129	2	0
9/30/2022	7:39:57 AM	1	42.25323	4	0
9/30/2022	7:40:14 AM	1	23.6121	17	1
9/30/2022	7:40:35 AM	1	27.34032	21	1
9/30/2022	7:41:04 AM	1	29.20444	28	1
9/30/2022	7:41:13 AM	1	29.82581	9	1
9/30/2022	7:41:14 AM	1	29.82581	0.538	0
9/30/2022	7:41:18 AM	1	35.41814	4	0
9/30/2022	7:41:28 AM	1	36.66089	10	1
9/30/2022	7:41:36 AM	1	32.31129	8	1
9/30/2022	7:41:41 AM	1	34.1754	5	0
9/30/2022	7:41:44 AM	1	34.1754	2	0
9/30/2022	7:41:51 AM	1	22.36935	7	0
9/30/2022	7:42:09 AM	1	27.96169	17	1
9/30/2022	7:42:47 AM	1	39.76774	38	1
9/30/2022	7:42:54 AM	1	45.98145	6	0
9/30/2022	7:43:10 AM	1	35.41814	16	1
9/30/2022	7:43:17 AM	1	41.01048	7	0
9/30/2022	7:43:18 AM	1	41.01048	0.8	0
9/30/2022	7:43:23 AM	1	43.49597	5	0
9/30/2022	7:43:52 AM	1	33.55403	28	1
9/30/2022	7:43:54 AM	1	29.82581	2	0
9/30/2022	7:43:56 AM	1	34.79678	2	0
9/30/2022	7:43:58 AM	1	32.31129	2	0
9/30/2022	7:44:04 AM	1	37.90363	5	0
9/30/2022	7:44:11 AM	1	34.1754	7	0
9/30/2022	7:44:18 AM	1	38.525	6	0
9/30/2022	7:44:21 AM	1	36.66089	3	0
9/30/2022	7:44:32 AM	1	21.12661	10	1

9/30/2022 7:44:40 AM	1	29.20444	8	1
9/30/2022 7:44:44 AM	1	30.44718	3	0
9/30/2022 7:44:57 AM	1	31.68992	13	1
9/30/2022 7:45:02 AM	1	41.01048	4	0
9/30/2022 7:45:08 AM	1	39.76774	6	0
9/30/2022 7:45:16 AM	1	32.31129	8	1
9/30/2022 7:45:18 AM	1	32.31129	1.409	0
9/30/2022 7:45:20 AM	1	31.68992	2	0
9/30/2022 7:45:23 AM	1	32.31129	2	0
9/30/2022 7:45:29 AM	1	31.06855	6	0
9/30/2022 7:46:14 AM	1	25.47621	45	1
9/30/2022 7:46:59 AM	1	30.44718	44	1
9/30/2022 7:47:02 AM	1	32.93266	2	0
9/30/2022 7:47:09 AM	1	36.66089	7	0
9/30/2022 7:47:14 AM	1	39.14637	5	0
9/30/2022 7:47:15 AM	1	39.14637	0.808	0
9/30/2022 7:47:25 AM	1	41.63186	10	1
9/30/2022 7:47:26 AM	1	41.63186	1.19	0
9/30/2022 7:47:28 AM	1	37.28226	2	0
9/30/2022 7:47:35 AM	1	32.93266	7	0
9/30/2022 7:47:58 AM	1	41.01048	22	1
9/30/2022 7:48:36 AM	1	31.68992	38	1
9/30/2022 7:48:38 AM	1	34.1754	2	0
9/30/2022 7:49:06 AM	1	32.31129	27	1
9/30/2022 7:49:15 AM	1	31.06855	8	1
9/30/2022 7:49:18 AM	1	26.71895	3	0
9/30/2022 7:49:21 AM	1	26.71895	2	0
9/30/2022 7:49:25 AM	1	24.23347	3	0
9/30/2022 7:49:34 AM	1	33.55403	9	1
9/30/2022 7:50:01 AM	1	29.20444	27	1
9/30/2022 7:50:16 AM	1	33.55403	14	1
9/30/2022 7:51:02 AM	1	34.1754	46	1
9/30/2022 7:51:15 AM	1	45.36008	13	1
9/30/2022 7:51:26 AM	1	36.03952	10	1
9/30/2022 7:51:42 AM	1	19.88387	654	1
9/30/2022 7:51:45 AM	1	37.28226	19	1
9/30/2022 7:51:47 AM	1	36.66089	2	0
9/30/2022 7:51:55 AM	1	37.90363	7	0
9/30/2022 7:52:01 AM	1	29.20444	6	0
9/30/2022 7:52:40 AM	1	29.20444	38	1
9/30/2022 7:53:05 AM	1	41.01048	26	1
9/30/2022 7:53:06 AM	1	41.01048	0.71	0
9/30/2022 7:53:16 AM	1	34.1754	9	1
9/30/2022 7:53:22 AM	1	32.93266	6	0
9/30/2022 7:53:23 AM	1	32.93266	0.852	0
9/30/2022 7:53:26 AM	1	32.31129	2	0
9/30/2022 7:53:36 AM	1	36.03952	10	1
9/30/2022 7:53:44 AM	1	34.79678	7	0
9/30/2022 7:53:51 AM	1	37.28226	6	0
9/30/2022 7:53:53 AM	1	34.79678	2	0
9/30/2022 7:54:04 AM	1	36.03952	11	1
9/30/2022 7:54:21 AM	1	26.09758	16	1
9/30/2022 7:54:22 AM	1	26.09758	1.128	0
9/30/2022 7:54:41 AM	1	41.63186	18	1
9/30/2022 7:54:51 AM	1	37.28226	10	1
9/30/2022 7:54:54 AM	1	37.28226	3	0
9/30/2022 7:54:58 AM	1	37.28226	3	0
9/30/2022 7:55:03 AM	1	36.03952	5	0
9/30/2022 7:55:10 AM	1	35.41814	7	0
9/30/2022 7:55:24 AM	1	32.93266	14	1
9/30/2022 7:55:44 AM	1	37.28226	20	1
9/30/2022 7:56:08 AM	1	35.41814	24	1
9/30/2022 7:56:14 AM	1	33.55403	5	0
9/30/2022 7:56:15 AM	1	33.55403	0.695	0
9/30/2022 7:56:24 AM	1	39.76774	10	1
9/30/2022 7:56:55 AM	1	36.66089	31	1
9/30/2022 7:56:57 AM	1	36.66089	1.199	0
9/30/2022 7:57:05 AM	1	39.14637	7	0
9/30/2022 7:57:05 AM	1	39.14637	0.343	0
9/30/2022 7:57:08 AM	1	36.66089	2	0
9/30/2022 7:57:12 AM	1	35.41814	4	0

9/30/2022 7:57:31 AM	1	36.66089	19	1
9/30/2022 7:57:52 AM	1	31.68992	20.995	1
9/30/2022 7:58:12 AM	1	51.57379	19	1
9/30/2022 7:58:38 AM	1	41.01048	26	1
9/30/2022 7:59:15 AM	1	27.34032	36	1
9/30/2022 7:59:17 AM	1	27.34032	0.938	0
9/30/2022 7:59:19 AM	1	27.34032	2	0
9/30/2022 7:59:21 AM	1	27.96169	2	0
9/30/2022 7:59:22 AM	1	27.96169	0.591	0
9/30/2022 7:59:24 AM	1	26.09758	2	0
9/30/2022 7:59:51 AM	1	32.31129	26	1
9/30/2022 4:30:05 PM	1	32.93266	10	1
9/30/2022 4:30:14 PM	1	29.82581	9	1
9/30/2022 4:30:27 PM	1	35.41814	13	1
9/30/2022 4:30:47 PM	1	44.73871	20	1
9/30/2022 4:31:00 PM	1	39.14637	12	1
9/30/2022 4:31:11 PM	1	32.93266	11	1
9/30/2022 4:31:14 PM	1	34.1754	3	0
9/30/2022 4:31:19 PM	1	39.76774	5	0
9/30/2022 4:31:22 PM	1	37.90363	2	0
9/30/2022 4:31:31 PM	1	44.73871	9	1
9/30/2022 4:31:41 PM	1	36.03952	10	1
9/30/2022 4:31:41 PM	1	36.03952	0	0
9/30/2022 4:32:25 PM	1	34.1754	44	1
9/30/2022 4:32:51 PM	1	31.06855	25	1
9/30/2022 4:32:54 PM	1	33.55403	2	0
9/30/2022 4:32:56 PM	1	33.55403	0.635	0
9/30/2022 4:32:58 PM	1	32.93266	2	0
9/30/2022 4:33:02 PM	1	32.93266	3	0
9/30/2022 4:33:03 PM	1	6.835081	654	1
9/30/2022 4:33:15 PM	1	34.1754	13	1
9/30/2022 4:33:16 PM	1	34.1754	0.876	0
9/30/2022 4:33:19 PM	1	36.66089	3	0
9/30/2022 4:33:21 PM	1	39.14637	2	0
9/30/2022 4:33:52 PM	1	34.79678	31	1
9/30/2022 4:34:52 PM	1	46.60282	60	1
9/30/2022 4:34:57 PM	1	42.25323	5	0
9/30/2022 4:35:01 PM	1	39.76774	3	0
9/30/2022 4:35:18 PM	1	35.41814	17	1
9/30/2022 4:35:21 PM	1	36.66089	3	0
9/30/2022 4:35:24 PM	1	31.68992	3	0
9/30/2022 4:35:32 PM	1	37.90363	8	1
9/30/2022 4:35:34 PM	1	37.90363	1.372	0
9/30/2022 4:35:35 PM	1	37.90363	1.385	0
9/30/2022 4:35:37 PM	1	36.66089	2	0
9/30/2022 4:36:06 PM	1	34.79678	28	1
9/30/2022 4:36:14 PM	1	39.76774	8	1
9/30/2022 4:36:16 PM	1	39.76774	2	0
9/30/2022 4:36:45 PM	1	37.90363	28	1
9/30/2022 4:36:47 PM	1	42.8746	2	0
9/30/2022 4:37:00 PM	1	35.41814	13	1
9/30/2022 4:37:10 PM	1	27.96169	9	1
9/30/2022 4:37:24 PM	1	37.28226	14	1
9/30/2022 4:37:27 PM	1	37.90363	3	0
9/30/2022 4:37:31 PM	1	36.03952	4	0
9/30/2022 4:37:34 PM	1	39.14637	3	0
9/30/2022 4:37:39 PM	1	37.28226	5	0
9/30/2022 4:37:49 PM	1	40.38911	10	1
9/30/2022 4:37:57 PM	1	42.8746	8	1
9/30/2022 4:38:01 PM	1	40.38911	3	0
9/30/2022 4:38:45 PM	1	33.55403	44	1
9/30/2022 4:38:47 PM	1	36.03952	2	0
9/30/2022 4:38:49 PM	1	36.03952	1.291	0
9/30/2022 4:39:05 PM	1	29.82581	15	1
9/30/2022 4:39:19 PM	1	34.79678	14	1
9/30/2022 4:39:22 PM	1	39.14637	3	0
9/30/2022 4:39:24 PM	1	39.14637	1.31	0
9/30/2022 4:40:01 PM	1	29.82581	37	1
9/30/2022 4:40:03 PM	1	29.82581	1.311	0
9/30/2022 4:40:05 PM	1	29.82581	1.312	0
9/30/2022 4:40:08 PM	1	32.93266	3	0

9/30/2022	4:40:19 PM	1	32.31129	11	1
9/30/2022	4:40:22 PM	1	33.55403	2	0
9/30/2022	4:40:28 PM	1	33.55403	6	0
9/30/2022	4:40:32 PM	1	36.03952	3	0
9/30/2022	4:40:40 PM	1	34.1754	7	0
9/30/2022	4:40:43 PM	1	37.28226	3	0
9/30/2022	4:40:44 PM	1	37.28226	1.065	0
9/30/2022	4:40:51 PM	1	31.06855	6	0
9/30/2022	4:40:52 PM	1	31.06855	1.213	0
9/30/2022	4:41:00 PM	1	36.66089	7	0
9/30/2022	4:41:02 PM	1	37.90363	2	0
9/30/2022	4:41:09 PM	1	42.25323	7	0
9/30/2022	4:41:32 PM	1	37.28226	23	1
9/30/2022	4:41:33 PM	1	37.28226	1.097	0
9/30/2022	4:42:20 PM	1	38.525	47	1
9/30/2022	4:42:33 PM	1	32.93266	13	1
9/30/2022	4:42:35 PM	1	37.28226	2	0
9/30/2022	4:42:53 PM	1	41.01048	17	1
9/30/2022	4:42:58 PM	1	32.31129	5	0
9/30/2022	4:43:01 PM	1	44.73871	3	0
9/30/2022	4:43:43 PM	1	30.44718	41	1
9/30/2022	4:43:47 PM	1	36.03952	4	0
9/30/2022	4:44:13 PM	1	39.14637	26	1
9/30/2022	4:44:40 PM	1	39.14637	26	1
9/30/2022	4:45:08 PM	1	39.14637	28	1
9/30/2022	4:45:23 PM	1	36.66089	15	1
9/30/2022	4:45:28 PM	1	39.14637	5	0
9/30/2022	4:45:30 PM	1	39.14637	2	0
9/30/2022	4:45:42 PM	1	31.68992	11	1
9/30/2022	4:46:11 PM	1	39.76774	29	1
9/30/2022	4:47:11 PM	1	31.06855	59	1
9/30/2022	4:47:17 PM	1	36.66089	6	0
9/30/2022	4:47:33 PM	1	36.03952	16	1
9/30/2022	4:47:43 PM	1	33.55403	10	1
9/30/2022	4:48:05 PM	1	28.58307	21	1
9/30/2022	4:48:07 PM	1	28.58307	2	0
9/30/2022	4:48:40 PM	1	34.1754	33	1
9/30/2022	4:48:45 PM	1	32.93266	5	0
9/30/2022	4:48:51 PM	1	29.82581	5	0
9/30/2022	4:49:10 PM	1	47.22419	19	1
9/30/2022	4:49:25 PM	1	29.82581	16	1
9/30/2022	4:49:28 PM	1	35.41814	2	0
9/30/2022	4:49:33 PM	1	31.06855	5	0
9/30/2022	4:49:52 PM	1	33.55403	18	1
9/30/2022	4:49:54 PM	1	30.44718	2	0
9/30/2022	4:50:08 PM	1	18.01976	654	1
9/30/2022	4:50:40 PM	1	35.41814	45	1
9/30/2022	4:50:48 PM	1	36.66089	8	1
9/30/2022	4:51:00 PM	1	38.525	12	1
9/30/2022	4:51:11 PM	1	33.55403	11	1
9/30/2022	4:51:30 PM	1	36.66089	19	1
9/30/2022	4:51:50 PM	1	31.06855	20	1
9/30/2022	4:51:51 PM	1	36.66089	0.526	0
9/30/2022	4:52:02 PM	1	39.14637	11	1
9/30/2022	4:52:06 PM	1	36.66089	4	0
9/30/2022	4:52:15 PM	1	33.55403	8	1
9/30/2022	4:52:31 PM	1	30.44718	16	1
9/30/2022	4:52:33 PM	1	24.85484	2	0
9/30/2022	4:52:34 PM	1	28.58307	0.066	0
9/30/2022	4:52:36 PM	1	32.93266	2	0
9/30/2022	4:52:38 PM	1	32.93266	1.384	0
9/30/2022	4:52:57 PM	1	39.14637	18	1
9/30/2022	4:53:00 PM	1	37.28226	3	0
9/30/2022	4:53:10 PM	1	27.34032	10	1
9/30/2022	4:53:10 PM	1	32.93266	0	0
9/30/2022	4:53:13 PM	1	33.55403	2	0
9/30/2022	4:53:34 PM	1	42.25323	21	1
9/30/2022	4:53:51 PM	1	40.38911	16	1
9/30/2022	4:54:07 PM	1	31.06855	16	1
9/30/2022	4:54:39 PM	1	37.28226	32	1
9/30/2022	4:54:41 PM	1	37.28226	1.097	0

9/30/2022	4:54:48 PM	1	23.6121	7	0
9/30/2022	4:54:48 PM	1	27.34032	0.049	0
9/30/2022	4:54:56 PM	1	34.1754	7	0
9/30/2022	4:54:57 PM	1	34.1754	0.741	0
9/30/2022	4:55:02 PM	1	33.55403	5	0
9/30/2022	4:55:07 PM	1	34.79678	4	0
9/30/2022	4:55:13 PM	1	35.41814	6	0
9/30/2022	4:55:29 PM	1	39.76774	15	1
9/30/2022	4:55:39 PM	1	32.93266	10	1
9/30/2022	4:55:47 PM	1	31.06855	8	1
9/30/2022	4:55:47 PM	1	40.38911	0.131	0
9/30/2022	4:55:52 PM	1	36.66089	4	0
9/30/2022	4:56:00 PM	1	34.79678	8	1
9/30/2022	4:56:01 PM	1	34.79678	0.973	0
9/30/2022	4:56:06 PM	1	36.03952	4	0
9/30/2022	4:56:09 PM	1	39.14637	3	0
9/30/2022	4:56:12 PM	1	41.01048	3	0
9/30/2022	4:56:20 PM	1	31.68992	7	0
9/30/2022	4:56:39 PM	1	37.90363	19	1
9/30/2022	4:57:20 PM	1	37.28226	41	1
9/30/2022	4:57:34 PM	1	39.14637	14	1
9/30/2022	4:57:39 PM	1	38.525	5	0
9/30/2022	4:58:16 PM	1	35.41814	37	1
9/30/2022	4:58:17 PM	1	36.03952	1.059	0
9/30/2022	4:58:31 PM	1	41.63186	14	1
9/30/2022	4:58:57 PM	1	37.90363	26	1
9/30/2022	4:58:58 PM	1	37.90363	0.889	0
9/30/2022	4:59:19 PM	1	36.03952	21	1
9/30/2022	4:59:40 PM	1	30.44718	21	1
9/30/2022	4:59:46 PM	1	31.68992	5	0
9/30/2022	5:00:06 PM	1	30.44718	20	1
9/30/2022	5:00:07 PM	1	30.44718	0.654	0
9/30/2022	5:00:23 PM	1	32.93266	16	1
9/30/2022	5:00:37 PM	1	41.01048	14	1
9/30/2022	5:00:40 PM	1	36.03952	2	0
9/30/2022	5:00:42 PM	1	31.68992	2	0
9/30/2022	5:00:42 PM	1	36.03952	0.084	0
9/30/2022	5:00:51 PM	1	44.73871	9	1
9/30/2022	5:00:53 PM	1	44.73871	0.993	0
9/30/2022	5:00:55 PM	1	37.28226	2	0
9/30/2022	5:00:57 PM	1	37.28226	2	0
9/30/2022	5:01:04 PM	1	39.14637	7	0
9/30/2022	5:01:19 PM	1	25.47621	14	1
9/30/2022	5:01:19 PM	1	36.66089	0	0
9/30/2022	5:01:22 PM	1	31.68992	3	0
9/30/2022	5:02:11 PM	1	34.1754	49	1
9/30/2022	5:02:17 PM	1	36.03952	5	0
9/30/2022	5:02:20 PM	1	41.01048	3	0
9/30/2022	5:02:50 PM	1	33.55403	30	1
9/30/2022	5:02:54 PM	1	36.66089	3	0
9/30/2022	5:02:56 PM	1	33.55403	2	0
9/30/2022	5:02:58 PM	1	37.28226	2	0
9/30/2022	5:02:59 PM	1	37.28226	1.64	0
9/30/2022	5:03:10 PM	1	32.31129	10	1
9/30/2022	5:03:12 PM	1	32.31129	2	0
9/30/2022	5:03:14 PM	1	31.06855	2	0
9/30/2022	5:03:17 PM	1	30.44718	3	0
9/30/2022	5:03:25 PM	1	22.99073	8	1
9/30/2022	5:03:25 PM	1	29.82581	0.027	0
9/30/2022	5:03:53 PM	1	33.55403	28	1
9/30/2022	5:04:15 PM	1	33.55403	22	1
9/30/2022	5:04:17 PM	1	33.55403	2	0
9/30/2022	5:04:35 PM	1	41.63186	17	1
9/30/2022	5:04:39 PM	1	14.9129	4	0
9/30/2022	5:04:44 PM	1	37.28226	5	0
9/30/2022	5:05:04 PM	1	34.79678	19	1
9/30/2022	5:05:06 PM	1	34.1754	2	0
9/30/2022	5:05:11 PM	1	49.08831	5	0
9/30/2022	5:06:41 PM	1	47.22419	90	1
9/30/2022	5:06:55 PM	1	32.31129	14	1
9/30/2022	5:06:59 PM	1	37.28226	4	0

9/30/2022	5:07:06 PM	1	39.76774	7	0
9/30/2022	5:07:20 PM	1	29.82581	14	1
9/30/2022	5:07:21 PM	1	38.525	0.628	0
9/30/2022	5:07:47 PM	1	35.41814	26	1
9/30/2022	5:07:57 PM	1	43.49597	9	1
9/30/2022	5:08:04 PM	1	35.41814	7	0
9/30/2022	5:08:15 PM	1	25.47621	10	1
9/30/2022	5:08:15 PM	1	32.31129	0.132	0
9/30/2022	5:08:20 PM	1	34.79678	4	0
9/30/2022	5:08:23 PM	1	43.49597	3	0
9/30/2022	5:08:46 PM	1	32.31129	23	1
9/30/2022	5:08:49 PM	1	37.28226	3	0
9/30/2022	5:09:03 PM	1	35.41814	14	1
9/30/2022	5:09:06 PM	1	37.90363	3	0
9/30/2022	5:09:13 PM	1	37.28226	7	0
9/30/2022	5:09:19 PM	1	29.82581	6	0
9/30/2022	5:09:22 PM	1	29.82581	2	0
9/30/2022	5:09:24 PM	1	30.44718	1.42	0
9/30/2022	5:09:26 PM	1	27.96169	2	0
9/30/2022	5:09:41 PM	1	26.71895	15	1
9/30/2022	5:09:42 PM	1	36.66089	0.113	0
9/30/2022	5:09:53 PM	1	37.28226	11	1
9/30/2022	5:09:54 PM	1	37.28226	1.025	0
9/30/2022	5:10:03 PM	1	38.525	9	1
9/30/2022	5:10:14 PM	1	27.96169	10	1
9/30/2022	5:10:26 PM	1	38.525	12	1
9/30/2022	5:10:55 PM	1	42.8746	29	1
9/30/2022	5:10:59 PM	1	39.76774	4	0
9/30/2022	5:11:20 PM	1	31.06855	21	1
9/30/2022	5:11:25 PM	1	32.93266	5	0
9/30/2022	5:11:27 PM	1	32.93266	1.355	0
9/30/2022	5:11:30 PM	1	31.68992	3	0
9/30/2022	5:11:50 PM	1	36.66089	20	1
9/30/2022	5:12:10 PM	1	31.68992	20	1
9/30/2022	5:12:21 PM	1	42.8746	11	1
9/30/2022	5:12:31 PM	1	32.31129	9	1
9/30/2022	5:12:31 PM	1	40.38911	0	0
9/30/2022	5:12:36 PM	1	35.41814	4	0
9/30/2022	5:12:38 PM	1	37.28226	2	0
9/30/2022	5:12:45 PM	1	37.28226	7	0
9/30/2022	5:12:47 PM	1	48.46693	2	0
9/30/2022	5:12:58 PM	1	41.63186	10	1
9/30/2022	5:12:59 PM	1	41.63186	1.094	0
9/30/2022	5:13:11 PM	1	36.03952	12	1
9/30/2022	5:13:13 PM	1	33.55403	2	0
9/30/2022	5:13:14 PM	1	33.55403	0.949	0
9/30/2022	5:13:16 PM	1	31.68992	2	0
9/30/2022	5:13:18 PM	1	31.68992	0.94	0
9/30/2022	5:13:41 PM	1	30.44718	22	1
9/30/2022	5:14:07 PM	1	27.34032	26	1
9/30/2022	5:14:28 PM	1	22.99073	20	1
9/30/2022	5:14:28 PM	1	30.44718	0.161	0
9/30/2022	5:15:10 PM	1	42.25323	42	1
9/30/2022	5:15:16 PM	1	42.8746	6	0
9/30/2022	5:15:38 PM	1	31.68992	22	1
9/30/2022	5:15:41 PM	1	30.44718	3	0
9/30/2022	5:15:50 PM	1	31.06855	8	1
9/30/2022	5:16:06 PM	1	26.71895	16	1
9/30/2022	5:16:09 PM	1	33.55403	2	0
9/30/2022	5:16:11 PM	1	39.14637	2	0
9/30/2022	5:16:35 PM	1	37.28226	24	1
9/30/2022	5:16:43 PM	1	35.41814	8	1
9/30/2022	5:16:52 PM	1	34.79678	9	1
9/30/2022	5:17:04 PM	1	31.68992	12	1
9/30/2022	5:17:07 PM	1	27.96169	3	0
9/30/2022	5:17:12 PM	1	36.66089	5	0
9/30/2022	5:17:24 PM	1	35.41814	11	1
9/30/2022	5:17:45 PM	1	31.06855	21	1
9/30/2022	5:17:59 PM	1	36.66089	14	1
9/30/2022	5:18:04 PM	1	35.41814	5	0
9/30/2022	5:18:56 PM	1	36.03952	52	1

9/30/2022	5:18:58 PM	1	40.38911	2	0
9/30/2022	5:19:02 PM	1	34.1754	3	0
9/30/2022	5:19:11 PM	1	34.79678	8	1
9/30/2022	5:19:14 PM	1	34.1754	3	0
9/30/2022	5:19:17 PM	1	37.28226	3	0
9/30/2022	5:19:19 PM	1	35.41814	1.473	0
9/30/2022	5:19:20 PM	1	35.41814	1.335	0
9/30/2022	5:19:22 PM	1	35.41814	2	0
9/30/2022	5:19:33 PM	1	34.79678	11	1
9/30/2022	5:19:57 PM	1	31.06855	24	1
9/30/2022	5:20:03 PM	1	38.525	5	0
9/30/2022	5:20:08 PM	1	37.28226	5	0
9/30/2022	5:20:17 PM	1	28.58307	10	1
9/30/2022	5:20:53 PM	1	24.85484	36	1
9/30/2022	5:20:54 PM	1	30.44718	0.189	0
9/30/2022	5:20:55 PM	1	30.44718	0.639	0
9/30/2022	5:21:01 PM	1	35.41814	6	0
9/30/2022	5:21:02 PM	1	35.41814	0.75	0
9/30/2022	5:21:30 PM	1	37.28226	27	1
9/30/2022	5:21:57 PM	1	36.03952	27	1
9/30/2022	5:22:34 PM	1	49.70968	37	1
9/30/2022	5:23:05 PM	1	36.66089	31	1
9/30/2022	5:23:08 PM	1	35.41814	3	0
9/30/2022	5:23:12 PM	1	36.66089	3	0
9/30/2022	5:23:19 PM	1	34.79678	7	0
9/30/2022	5:23:26 PM	1	32.93266	7	0
9/30/2022	5:23:28 PM	1	32.93266	1.245	0
9/30/2022	5:23:45 PM	1	16.77702	15	1
9/30/2022	5:23:48 PM	1	27.34032	2	0
9/30/2022	5:24:44 PM	1	36.66089	56	1
9/30/2022	5:24:52 PM	1	27.96169	8	1
9/30/2022	5:24:52 PM	1	29.82581	0.02	0
9/30/2022	5:25:13 PM	1	36.03952	20	1
9/30/2022	5:25:15 PM	1	33.55403	2	0
9/30/2022	5:25:16 PM	1	36.03952	1.049	0
9/30/2022	5:25:18 PM	1	34.1754	1.486	0
9/30/2022	5:25:20 PM	1	35.41814	2	0
9/30/2022	5:25:22 PM	1	34.1754	2	0
9/30/2022	5:25:25 PM	1	33.55403	2	0
9/30/2022	5:25:29 PM	1	41.01048	4	0
9/30/2022	5:25:40 PM	1	31.68992	11	1
9/30/2022	5:25:43 PM	1	39.76774	3	0
9/30/2022	5:26:28 PM	1	32.31129	44	1
9/30/2022	5:26:36 PM	1	36.03952	8	1
9/30/2022	5:26:49 PM	1	30.44718	13	1
9/30/2022	5:26:54 PM	1	22.36935	4	0
9/30/2022	5:26:54 PM	1	29.20444	0.139	0
9/30/2022	5:26:55 PM	1	22.36935	0.371	0
9/30/2022	5:26:55 PM	1	29.20444	0	0
9/30/2022	5:26:58 PM	1	28.58307	3	0
9/30/2022	5:27:03 PM	1	34.1754	5	0
9/30/2022	5:27:06 PM	1	31.68992	3	0
9/30/2022	5:27:06 PM	1	37.90363	0	0
9/30/2022	5:27:12 PM	1	40.38911	6	0
9/30/2022	5:27:15 PM	1	41.01048	2	0
9/30/2022	5:27:22 PM	1	35.41814	7	0
9/30/2022	5:27:28 PM	1	32.31129	6	0
9/30/2022	5:27:41 PM	1	39.14637	13	1
9/30/2022	5:27:53 PM	1	31.68992	12	1
9/30/2022	5:27:54 PM	1	31.68992	0.724	0
9/30/2022	5:28:36 PM	1	37.28226	42	1
9/30/2022	5:28:40 PM	1	41.63186	3	0
9/30/2022	5:28:47 PM	1	26.71895	7	0
9/30/2022	5:28:48 PM	1	29.82581	0.079	0
9/30/2022	5:28:50 PM	1	29.82581	2	0
9/30/2022	5:29:07 PM	1	32.31129	17	1
9/30/2022	5:29:13 PM	1	29.82581	6	0
9/30/2022	5:29:18 PM	1	42.8746	4	0
9/30/2022	5:29:30 PM	1	29.82581	12	1
9/30/2022	5:29:37 PM	1	30.44718	6	0
9/30/2022	5:29:46 PM	1	28.58307	9	1

9/30/2022	5:29:57 PM	1	37.28226	10	1
10/1/2022	7:00:17 AM	1	34.79678	118	1
10/1/2022	7:00:46 AM	1	31.06855	29	1
10/1/2022	7:01:35 AM	1	38.525	49	1
10/1/2022	7:01:57 AM	1	24.85484	21	1
10/1/2022	7:02:25 AM	1	33.55403	28	1
10/1/2022	7:04:19 AM	1	28.58307	113	1
10/1/2022	7:05:10 AM	1	31.06855	51	1
10/1/2022	7:08:10 AM	1	42.25323	180	1
10/1/2022	7:09:21 AM	1	38.525	70	1
10/1/2022	7:10:43 AM	1	32.93266	82	1
10/1/2022	7:13:04 AM	1	31.06855	141	1
10/1/2022	7:13:10 AM	1	32.93266	6	0
10/1/2022	7:14:02 AM	1	28.58307	52	1
10/1/2022	7:14:23 AM	1	35.41814	21	1
10/1/2022	7:16:49 AM	1	32.93266	146	1
10/1/2022	7:17:50 AM	1	41.63186	61	1
10/1/2022	7:19:12 AM	1	31.68992	81	1
10/1/2022	7:20:49 AM	1	39.14637	97	1
10/1/2022	7:21:49 AM	1	29.82581	60	1
10/1/2022	7:22:36 AM	1	33.55403	46	1
10/1/2022	7:23:19 AM	1	32.31129	43	1
10/1/2022	7:23:35 AM	1	34.79678	16	1
10/1/2022	7:23:45 AM	1	43.49597	9	1
10/1/2022	7:24:30 AM	1	34.1754	45	1
10/1/2022	7:24:32 AM	1	34.1754	1.267	0
10/1/2022	7:24:53 AM	1	32.93266	21	1
10/1/2022	7:24:54 AM	1	32.93266	1.2	0
10/1/2022	7:25:26 AM	1	37.90363	31	1
10/1/2022	7:25:37 AM	1	41.01048	11	1
10/1/2022	7:28:27 AM	1	34.79678	169	1
10/1/2022	7:31:03 AM	1	31.06855	156	1
10/1/2022	7:31:40 AM	1	29.20444	37	1
10/1/2022	7:31:48 AM	1	29.82581	8	1
10/1/2022	7:33:15 AM	1	38.525	86	1
10/1/2022	7:33:28 AM	1	36.66089	13	1
10/1/2022	7:34:22 AM	1	31.68992	54	1
10/1/2022	7:34:27 AM	1	30.44718	5	0
10/1/2022	7:36:08 AM	1	46.60282	101	1
10/1/2022	7:36:24 AM	1	31.68992	16	1
10/1/2022	7:36:54 AM	1	32.31129	30	1
10/1/2022	7:37:15 AM	1	28.58307	21	1
10/1/2022	7:37:44 AM	1	31.68992	28	1
10/1/2022	7:37:59 AM	1	41.01048	15	1
10/1/2022	7:40:19 AM	1	34.1754	140	1
10/1/2022	7:40:53 AM	1	39.76774	33	1
10/1/2022	7:41:28 AM	1	32.31129	35	1
10/1/2022	7:42:13 AM	1	40.38911	44	1
10/1/2022	7:42:56 AM	1	35.41814	43	1
10/1/2022	7:43:13 AM	1	40.38911	17	1
10/1/2022	7:44:17 AM	1	38.525	64	1
10/1/2022	7:45:10 AM	1	35.41814	52	1
10/1/2022	7:45:44 AM	1	36.66089	34	1
10/1/2022	7:47:13 AM	1	28.58307	89	1
10/1/2022	7:48:29 AM	1	39.14637	76	1
10/1/2022	7:49:49 AM	1	38.525	79	1
10/1/2022	7:49:58 AM	1	30.44718	9	1
10/1/2022	7:50:01 AM	1	31.06855	3	0
10/1/2022	7:52:02 AM	1	28.58307	121	1
10/1/2022	7:52:14 AM	1	24.85484	11	1
10/1/2022	7:52:18 AM	1	26.09758	4	0
10/1/2022	7:52:32 AM	1	42.8746	13	1
10/1/2022	7:53:38 AM	1	19.2625	66	1
10/1/2022	7:54:14 AM	1	32.93266	36	1
10/1/2022	7:55:34 AM	1	39.76774	80	1
10/1/2022	7:55:48 AM	1	36.03952	14	1
10/1/2022	7:57:03 AM	1	37.90363	74	1
10/1/2022	7:58:09 AM	1	24.85484	66	1
10/1/2022	7:58:21 AM	1	34.79678	12	1
10/1/2022	8:00:15 AM	1	40.38911	113	1