

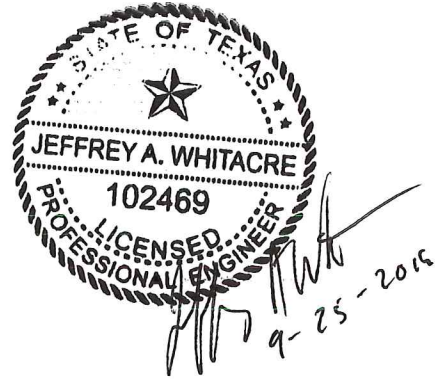
MEMORANDUM

To: Rick Trice, P.E.
Director of Public Works
City of Saginaw

From: Jeff Whitacre, P.E., AICP, PTP
Kimley-Horn and Associates, Inc.
TBPE Registered Firm Number F-928

Date: September 25, 2019

Subject: Master Thoroughfare Plan Amendment



PURPOSE

The City of Saginaw has retained Kimley-Horn and Associates, Inc. to evaluate two possible Master Thoroughfare Plan (MTP) Amendments. This memo will evaluate the appropriate ultimate cross section for the following roadways:

- McLeroy Boulevard, from Knowles Drive to BUS 287
- WJ Boaz Road, from Old Decatur Road to BUS 287

MCLEROY BOULEVARD

On the MTP, McLeroy Boulevard is identified as a Minor Arterial from Knowles Drive to BUS 287. The ultimate cross section for this segment is a four-lane divided section. The desired modification along this segment of McLeroy Boulevard is a specially developed cross section, a Municipal Collector with on-street parking. When considering a modification from a four-lane divided section to a two-lane divided section with on-street parking, traffic volumes, context and desired target speed of the roadway need to be considered.

Per the City's Comprehensive Master Plan, Minor Arterials are designed to carry 24,000 – 36,000 vehicles per day. Based on a 24-hour machine tube count collected along McLeroy Boulevard, east of Knowles Drive, the current volume along McLeroy Boulevard is 10,151 vehicles. This is well below the carrying capacity of a Minor Arterial and is anticipated to be adequately handled by the proposed Municipal Collector, which is anticipated to have a capacity of 10,000 – 15,000 vehicles per day.

Context-sensitive solutions (CSS) help transportation decision making by taking into account the land use through which the roadway passes. The City's vision for McLeroy Boulevard from Knowles Drive to BUS 287 is to match the context of the area and surrounding community. The ultimate vision consists of enhanced safety and walkability, improved aesthetics, and healthy economic development. With the proposed Municipal Collector's two-lane divided cross section with on-street parking this vision would be accomplished.



According to the National Association of City Transportation Officials (NACTO) Urban Streets Design Guide, streets should be designed using the target speed. The target speed is the speed that the designer intends drivers to go, rather than the operating speed. Based on a speed count collected on this section of McLeroy Boulevard, the current 85th percentile speed limit is 39 mph. To promote a more pedestrian friendly environment along this section of McLeroy Boulevard, it is anticipated that the Municipal Collector classification will effectively lower the travel speeds to 30-35 mph, resulting in better levels of service for pedestrians and bicyclists. The recommended maximum speed limit along this section of McLeroy Boulevard is 35 mph.

WJ BOAZ ROAD

On the MTP, WJ Boaz Road is identified as a Minor Arterial from Old Decatur Road to BUS 287. The ultimate cross section for this segment is a four-lane undivided section. Currently, the existing cross section is a two-lane undivided road with on-street parking. This cross section takes up the ultimate section's roadway width (48 feet). The City desires to evaluate WJ Boaz Road as a three-lane undivided Collector. It is anticipated that the desired three-lane undivided section would improve operations when compared to the existing two-lane undivided section as the on-street parking is not highly utilized and left-turn lanes can now be provided at each intersection.

The Federal Highway Administration (FHWA) refers to this restriping as a road diet. According to FHWA, roadways with an average daily traffic (ADT) of less than 15,000 vehicles per day are good candidates for road diets and should be evaluated for feasibility. Based on the 24-hour machine tube count collected along WJ Boaz Road, there are currently 6,734 vehicles per day traveling along WJ Boaz Road, east of Knowles Drive. This ADT is below the volume threshold discussed when evaluating the appropriateness of a road diet.

In addition, roadways with directional peak hour volumes at, or lower than, 750 vehicles per hour per lane are considered as likely feasible candidates for a road diet. Based on the tube count, the maximum hourly volumes in the eastbound and westbound directions are 351 and 422 vehicles per hour per lane, respectively. These peak hour volumes are well below the directional peak hour volume threshold when considering a road diet.

With the proposed implementation of a road diet, other factors outside of vehicular travel operations are considered. For example, quality of service is considered for pedestrians and bicyclist. With implementation of a road diet, it is expected that pedestrian and bicycle levels of service would improve due to the lane reduction, speed reduction, and the narrower effective street width. Road diets also have an impact on safety and benefit in a crash reduction of 19-47%. Road diets are considered one of FHWA's nine Proven Safety Countermeasures.



MTP AMENDMENT RECOMMENDATIONS

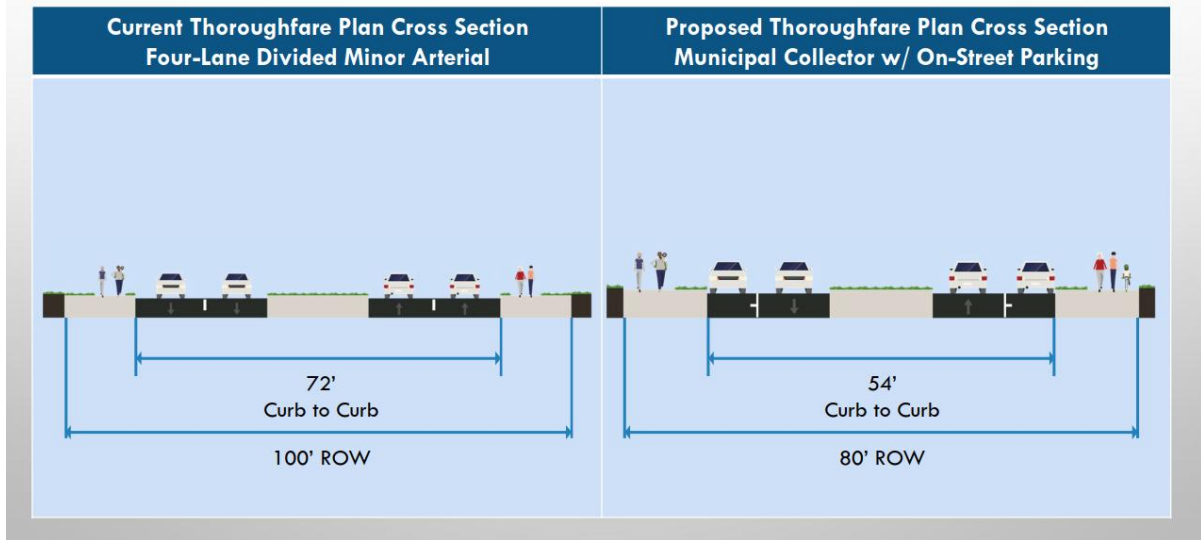
Based on the concepts discussed, the following is recommended:

- **McLeroy Boulevard** (Knowles Drive to BUS 287)
 - o Downgrade the classification from a Minor Arterial to a Municipal Collector
 - Two-lane divided cross section with on-street parking
- **WJ Boaz Road** (Old Decatur Road to BUS 287)
 - o Road diet from Minor Arterial to Collector
 - Three-lane undivided cross section

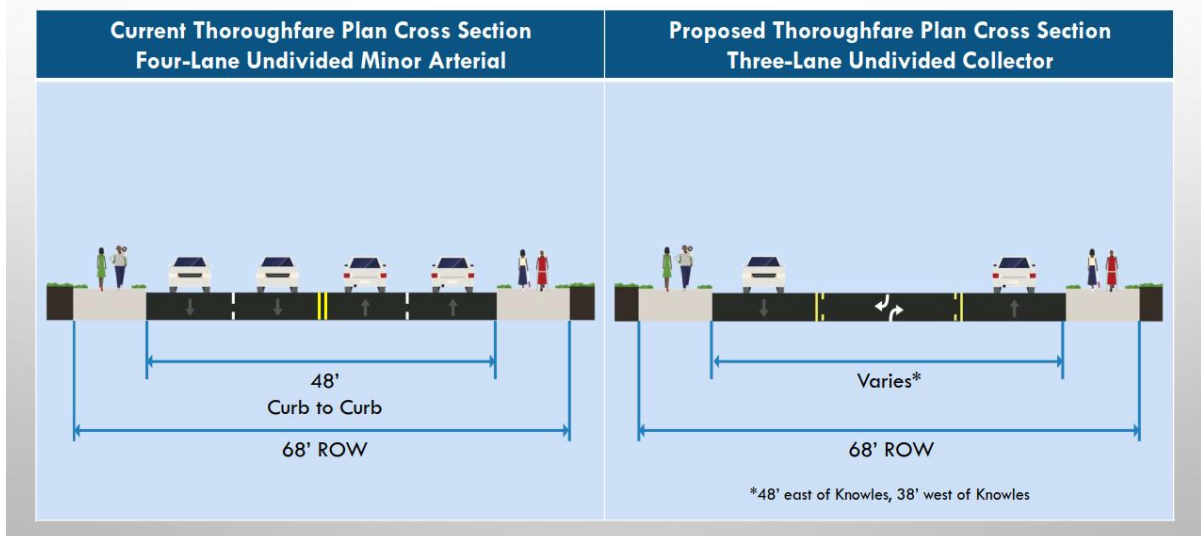
The current thoroughfare plan cross sections and proposed thoroughfare plan cross sections along McLeroy Boulevard and WJ Boaz are attached. If you have any questions, please contact me at jeff.whitacre@kimley-horn.com or by phone at 817-339-2254.

Cross Sections

MCLEROY – KNOWLES TO BUS 287



WJ BOAZ – OLD DECATUR TO BUS 287





Traffic Counts

GRAM Traffic North Texas, Inc.

1120 W. Lovers Lane
Arlington, TX 76013

MCLEROY E OF KNOWLES - SPEED WITH 4 SEC FILTER

Date Start: 10-Sep-19

EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
09/10/19	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4	37	38
01:00	0	0	0	1	0	2	1	0	0	0	0	0	0	0	4	42	44
02:00	0	0	0	0	1	0	1	0	0	0	0	0	0	1	3	43	44
03:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	37	39
04:00	0	0	0	1	5	5	3	0	0	0	0	0	0	0	14	41	43
05:00	0	0	0	2	11	11	6	1	0	0	0	0	0	0	31	41	44
06:00	1	0	1	7	33	23	12	1	0	0	0	0	0	0	78	40	43
07:00	1	0	0	31	100	41	5	1	0	0	0	0	0	0	179	37	39
08:00	1	0	1	13	59	62	12	2	0	0	0	0	0	0	150	39	42
09:00	0	0	0	4	34	42	14	2	0	0	0	0	0	0	96	40	44
10:00	0	0	0	2	31	47	17	7	3	0	0	0	0	0	107	43	48
11:00	1	1	0	8	40	51	17	0	0	0	1	0	0	1	120	40	43
12 PM	1	0	0	2	27	55	20	3	0	2	1	0	0	0	111	42	45
13:00	1	0	0	6	42	59	17	1	1	2	1	0	0	0	130	40	44
14:00	2	0	0	9	49	44	12	3	2	1	1	0	0	0	123	40	46
15:00	2	0	1	8	57	75	13	1	0	0	0	0	0	0	157	39	42
16:00	3	0	1	10	44	72	22	1	0	0	0	0	0	0	153	40	43
17:00	2	0	0	5	39	68	20	3	0	0	0	0	0	0	137	40	44
18:00	1	0	0	1	35	58	16	3	0	0	0	0	0	0	114	40	44
19:00	1	0	1	8	25	30	11	1	1	0	0	0	0	0	78	40	44
20:00	0	0	0	2	22	28	6	1	0	0	0	0	0	0	59	39	43
21:00	0	0	0	0	11	13	1	3	0	0	0	0	0	0	28	39	47
22:00	0	0	0	1	5	4	1	0	0	0	0	0	0	0	11	39	42
23:00	0	0	0	0	2	3	1	2	0	0	0	0	0	0	8	47	49
Total	17	1	5	121	677	795	228	36	7	5	4	0	0	2	1898		
Percent	0.9%	0.1%	0.3%	6.4%	35.7%	41.9%	12.0%	1.9%	0.4%	0.3%	0.2%	0.0%	0.0%	0.1%			
AM Peak	06:00	11:00	06:00	07:00	07:00	08:00	10:00	10:00	10:00		11:00			02:00	07:00		
Vol.	1	1	1	31	100	62	17	7	3		1			1	179		
PM Peak	16:00		15:00	16:00	15:00	15:00	16:00	12:00	14:00	12:00	12:00				15:00		
Vol.	3		1	10	57	75	22	3	2	2	1				157		
Total	17	1	5	121	677	795	228	36	7	5	4	0	0	2	1898		
Percent	0.9%	0.1%	0.3%	6.4%	35.7%	41.9%	12.0%	1.9%	0.4%	0.3%	0.2%	0.0%	0.0%	0.1%			

15th Percentile : 31 MPH
50th Percentile : 35 MPH
85th Percentile : 39 MPH
95th Percentile : 44 MPH

Stats
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 1472
Percent in Pace : 77.6%
Number of Vehicles > 55 MPH : 11
Percent of Vehicles > 55 MPH : 0.6%
Mean Speed(Average) : 36 MPH

GRAM Traffic North Texas, Inc.

1120 W. Lovers Lane
Arlington, TX 76013

MCLEROY E OF KNOWLES - SPEED WITH 4 SEC FILTER

Date Start: 10-Sep-19

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
09/10/19	0	0	0	0	4	4	0	1	0	0	0	0	0	0	9	39	47
01:00	0	0	0	3	3	1	0	1	0	0	0	0	0	0	8	39	48
02:00	0	0	0	1	2	1	1	0	0	0	0	0	0	0	5	41	43
03:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5	46	48
04:00	2	0	0	0	2	3	0	0	0	0	0	0	0	0	7	38	39
05:00	8	0	1	0	7	7	6	0	0	0	0	0	0	0	29	41	43
06:00	31	0	0	7	40	32	11	1	0	0	0	0	0	0	122	39	42
07:00	45	0	1	30	88	62	16	0	1	0	0	0	0	2	245	38	41
08:00	47	0	1	5	53	59	18	0	0	0	0	1	0	0	184	39	42
09:00	26	0	0	4	36	55	14	0	0	0	0	0	0	0	135	39	42
10:00	26	3	3	4	32	44	10	2	0	0	0	0	0	0	124	39	42
11:00	18	2	5	13	42	67	15	1	0	0	0	0	0	0	163	39	42
12 PM	25	2	2	9	44	57	17	1	0	1	0	0	0	1	159	39	43
13:00	18	0	2	10	38	51	21	2	0	0	0	0	0	0	142	40	43
14:00	23	2	9	14	54	48	15	1	2	0	0	0	0	0	168	39	43
15:00	21	1	3	26	75	82	31	2	1	1	0	0	0	0	243	39	43
16:00	16	0	1	11	69	123	35	7	0	0	0	0	0	0	262	40	44
17:00	32	0	0	2	53	103	42	4	0	0	0	0	0	0	236	41	44
18:00	38	1	0	3	41	81	36	7	0	0	0	0	0	0	207	41	44
19:00	18	1	0	4	48	76	38	1	0	0	0	0	0	0	186	41	43
20:00	26	0	0	5	36	54	16	1	1	0	0	0	0	0	139	39	43
21:00	9	0	0	2	14	32	9	1	0	0	0	0	0	0	67	39	43
22:00	4	0	0	0	12	12	5	1	1	0	0	0	0	0	35	41	46
23:00	3	0	0	0	6	9	4	0	0	0	0	0	0	0	22	40	43
Total	436	12	28	153	801	1064	361	35	6	2	0	1	0	3	2902		
Percent	15.0%	0.4%	1.0%	5.3%	27.6%	36.7%	12.4%	1.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%			
AM Peak	08:00	10:00	11:00	07:00	07:00	11:00	08:00	10:00	07:00			08:00		07:00	07:00		
Vol.	47	3	5	30	88	67	18	2	1			1		2	245		
PM Peak	18:00	12:00	14:00	15:00	15:00	16:00	17:00	16:00	14:00	12:00				12:00	16:00		
Vol.	38	2	9	26	75	123	42	7	2	1				1	262		
Total	436	12	28	153	801	1064	361	35	6	2	0	1	0	3	2902		
Percent	15.0%	0.4%	1.0%	5.3%	27.6%	36.7%	12.4%	1.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%			

15th Percentile : 14 MPH
50th Percentile : 35 MPH
85th Percentile : 39 MPH
95th Percentile : 43 MPH

Stats
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 1865
Percent in Pace : 64.3%
Number of Vehicles > 55 MPH : 6
Percent of Vehicles > 55 MPH : 0.2%
Mean Speed(Average) : 32 MPH

GRAM Traffic North Texas, Inc.

1120 W. Lovers Lane
Arlington, TX 76013

MCLEROY E OF KNOWLES - SPEED WITH 4 SEC FILTER

Date Start: 10-Sep-19

EB, WB	Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th	95th
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			Percent	Percent
09/10/19	0	0	0	0	7	5	0	1	0	0	0	0	0	0	0	13	39	46
01:00	0	0	0	4	3	3	1	1	0	0	0	0	0	0	0	12	40	46
02:00	0	0	0	1	3	1	2	0	0	0	0	0	0	0	1	8	42	44
03:00	0	0	0	0	4	2	1	1	0	0	0	0	0	0	0	8	43	47
04:00	2	0	0	1	7	8	3	0	0	0	0	0	0	0	0	21	39	43
05:00	8	0	1	2	18	18	12	1	0	0	0	0	0	0	0	60	41	44
06:00	32	0	1	14	73	55	23	2	0	0	0	0	0	0	0	200	39	43
07:00	46	0	1	61	188	103	21	1	1	0	0	0	0	0	2	424	38	40
08:00	48	0	2	18	112	121	30	2	0	0	0	1	0	0	0	334	39	42
09:00	26	0	0	8	70	97	28	2	0	0	0	0	0	0	0	231	39	43
10:00	26	3	3	6	63	91	27	9	3	0	0	0	0	0	0	231	40	45
11:00	19	3	5	21	82	118	32	1	0	0	1	0	0	0	1	283	39	43
12 PM	26	2	2	11	71	112	37	4	0	3	1	0	0	0	1	270	40	44
13:00	19	0	2	16	80	110	38	3	1	2	1	0	0	0	0	272	40	44
14:00	25	2	9	23	103	92	27	4	4	1	1	0	0	0	0	291	39	44
15:00	23	1	4	34	132	157	44	3	1	1	0	0	0	0	0	400	39	43
16:00	19	0	2	21	113	195	57	8	0	0	0	0	0	0	0	415	40	43
17:00	34	0	0	7	92	171	62	7	0	0	0	0	0	0	0	373	41	44
18:00	39	1	0	4	76	139	52	10	0	0	0	0	0	0	0	321	41	44
19:00	19	1	1	12	73	106	49	2	1	0	0	0	0	0	0	264	41	43
20:00	26	0	0	7	58	82	22	2	1	0	0	0	0	0	0	198	39	43
21:00	9	0	0	2	25	45	10	4	0	0	0	0	0	0	0	95	39	44
22:00	4	0	0	1	17	16	6	1	1	0	0	0	0	0	0	46	40	44
23:00	3	0	0	0	8	12	5	2	0	0	0	0	0	0	0	30	42	46
Total	453	13	33	274	1478	1859	589	71	13	7	4	1	0	5		4800		
Percent	9.4%	0.3%	0.7%	5.7%	30.8%	38.7%	12.3%	1.5%	0.3%	0.1%	0.1%	0.0%	0.0%	0.1%				
AM Peak	08:00	10:00	11:00	07:00	07:00	08:00	11:00	10:00	10:00			11:00	08:00		07:00	07:00		
Vol.	48	3	5	61	188	121	32	9	3			1	1		2	424		
PM Peak	18:00	12:00	14:00	15:00	15:00	16:00	17:00	18:00	14:00	12:00	12:00				12:00	16:00		
Vol.	39	2	9	34	132	195	62	10	4	3	1				1	415		
Total	453	13	33	274	1478	1859	589	71	13	7	4	1	0	5		4800		
Percent	9.4%	0.3%	0.7%	5.7%	30.8%	38.7%	12.3%	1.5%	0.3%	0.1%	0.1%	0.0%	0.0%	0.1%				

15th Percentile : 29 MPH
50th Percentile : 35 MPH
85th Percentile : 39 MPH
95th Percentile : 43 MPH

Stats
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 3337
Percent in Pace : 69.5%
Number of Vehicles > 55 MPH : 17
Percent of Vehicles > 55 MPH : 0.4%
Mean Speed(Average) : 34 MPH

	A	B	C	D	E
1	MCLEROY E OF KNOWLES				
2					
3	Start Date: 9/10/2019				
4	Start Time: 12:00:00 AM				
5	Site Code: 958				
6					
7	Date	Time	EB	WB	TOTAL
8	9/10/2019	12:00 AM	8	6	14
9	9/10/2019	12:15 AM	6	3	9
10	9/10/2019	12:30 AM	14	10	24
11	9/10/2019	12:45 AM	5	3	8
12	9/10/2019	01:00 AM	1	2	3
13	9/10/2019	01:15 AM	9	6	15
14	9/10/2019	01:30 AM	7	6	13
15	9/10/2019	01:45 AM	2	3	5
16	9/10/2019	02:00 AM	3	4	7
17	9/10/2019	02:15 AM	2	2	4
18	9/10/2019	02:30 AM	4	2	6
19	9/10/2019	02:45 AM	4	3	7
20	9/10/2019	03:00 AM	8	3	11
21	9/10/2019	03:15 AM	1	1	2
22	9/10/2019	03:30 AM	6	2	8
23	9/10/2019	03:45 AM	4	2	6
24	9/10/2019	04:00 AM	11	2	13
25	9/10/2019	04:15 AM	6	3	9
26	9/10/2019	04:30 AM	14	1	15
27	9/10/2019	04:45 AM	16	4	20
28	9/10/2019	05:00 AM	16	4	20
29	9/10/2019	05:15 AM	24	3	27
30	9/10/2019	05:30 AM	32	9	41
31	9/10/2019	05:45 AM	36	14	50
32	9/10/2019	06:00 AM	46	22	68
33	9/10/2019	06:15 AM	60	17	77
34	9/10/2019	06:30 AM	88	30	118
35	9/10/2019	06:45 AM	90	63	153
36	9/10/2019	07:00 AM	120	99	219
37	9/10/2019	07:15 AM	178	99	277
38	9/10/2019	07:30 AM	180	102	282
39	9/10/2019	07:45 AM	150	70	220
40	9/10/2019	08:00 AM	108	54	162
41	9/10/2019	08:15 AM	106	54	160
42	9/10/2019	08:30 AM	101	64	165
43	9/10/2019	08:45 AM	106	39	145
44	9/10/2019	09:00 AM	76	61	137
45	9/10/2019	09:15 AM	58	52	110
46	9/10/2019	09:30 AM	64	38	102
47	9/10/2019	09:45 AM	64	29	93
48	9/10/2019	10:00 AM	54	50	104
49	9/10/2019	10:15 AM	36	34	70
50	9/10/2019	10:30 AM	68	56	124

	A	B	C	D	E
51	9/10/2019	10:45 AM	90	33	123
52	9/10/2019	11:00 AM	62	104	166
53	9/10/2019	11:15 AM	62	50	112
54	9/10/2019	11:30 AM	92	46	138
55	9/10/2019	11:45 AM	93	94	187
56	9/10/2019	12:00 PM	72	64	136
57	9/10/2019	12:15 PM	70	56	126
58	9/10/2019	12:30 PM	70	50	120
59	9/10/2019	12:45 PM	50	64	114
60	9/10/2019	01:00 PM	76	46	122
61	9/10/2019	01:15 PM	56	72	128
62	9/10/2019	01:30 PM	52	54	106
63	9/10/2019	01:45 PM	96	67	163
64	9/10/2019	02:00 PM	68	77	145
65	9/10/2019	02:15 PM	58	65	123
66	9/10/2019	02:30 PM	68	61	129
67	9/10/2019	02:45 PM	96	60	156
68	9/10/2019	03:00 PM	93	86	179
69	9/10/2019	03:15 PM	86	86	172
70	9/10/2019	03:30 PM	92	125	217
71	9/10/2019	03:45 PM	88	101	189
72	9/10/2019	04:00 PM	105	113	218
73	9/10/2019	04:15 PM	68	101	169
74	9/10/2019	04:30 PM	98	102	200
75	9/10/2019	04:45 PM	113	102	215
76	9/10/2019	05:00 PM	133	98	231
77	9/10/2019	05:15 PM	107	115	222
78	9/10/2019	05:30 PM	130	126	256
79	9/10/2019	05:45 PM	133	122	255
80	9/10/2019	06:00 PM	84	92	176
81	9/10/2019	06:15 PM	115	76	191
82	9/10/2019	06:30 PM	114	74	188
83	9/10/2019	06:45 PM	95	71	166
84	9/10/2019	07:00 PM	80	84	164
85	9/10/2019	07:15 PM	74	60	134
86	9/10/2019	07:30 PM	66	73	139
87	9/10/2019	07:45 PM	53	58	111
88	9/10/2019	08:00 PM	80	58	138
89	9/10/2019	08:15 PM	88	52	140
90	9/10/2019	08:30 PM	38	63	101
91	9/10/2019	08:45 PM	42	28	70
92	9/10/2019	09:00 PM	55	44	99
93	9/10/2019	09:15 PM	56	30	86
94	9/10/2019	09:30 PM	20	22	42
95	9/10/2019	09:45 PM	38	22	60
96	9/10/2019	10:00 PM	34	17	51
97	9/10/2019	10:15 PM	19	17	36
98	9/10/2019	10:30 PM	20	17	37
99	9/10/2019	10:45 PM	10	9	19
100	9/10/2019	11:00 PM	8	8	16

	A	B	C	D	E
101	9/10/2019	11:15 PM	6	12	18
102	9/10/2019	11:30 PM	9	6	15
103	9/10/2019	11:45 PM	12	2	14
104			5685	4466	10151

	A	B	C	D	E
1	WJ BOAZ E OF KNOWLES				
2					
3	Start Date: 9/10/2019				
4	Start Time: 12:00:00 AM				
5	Site Code: 863				
6					
7	Date	Time	EB	WB	TOTAL
8	9/10/2019	12:00 AM	2	9	11
9	9/10/2019	12:15 AM	3	6	9
10	9/10/2019	12:30 AM	4	10	14
11	9/10/2019	12:45 AM	2	2	4
12	9/10/2019	01:00 AM	1	3	4
13	9/10/2019	01:15 AM	2	4	6
14	9/10/2019	01:30 AM	1	5	6
15	9/10/2019	01:45 AM	4	6	10
16	9/10/2019	02:00 AM	1	3	4
17	9/10/2019	02:15 AM	0	3	3
18	9/10/2019	02:30 AM	3	2	5
19	9/10/2019	02:45 AM	1	10	11
20	9/10/2019	03:00 AM	3	2	5
21	9/10/2019	03:15 AM	2	2	4
22	9/10/2019	03:30 AM	5	1	6
23	9/10/2019	03:45 AM	1	1	2
24	9/10/2019	04:00 AM	3	4	7
25	9/10/2019	04:15 AM	3	1	4
26	9/10/2019	04:30 AM	6	5	11
27	9/10/2019	04:45 AM	7	2	9
28	9/10/2019	05:00 AM	6	3	9
29	9/10/2019	05:15 AM	12	10	22
30	9/10/2019	05:30 AM	11	8	19
31	9/10/2019	05:45 AM	23	4	27
32	9/10/2019	06:00 AM	8	8	16
33	9/10/2019	06:15 AM	24	22	46
34	9/10/2019	06:30 AM	28	30	58
35	9/10/2019	06:45 AM	50	43	93
36	9/10/2019	07:00 AM	48	63	111
37	9/10/2019	07:15 AM	98	64	162
38	9/10/2019	07:30 AM	90	59	149
39	9/10/2019	07:45 AM	83	60	143
40	9/10/2019	08:00 AM	74	43	117
41	9/10/2019	08:15 AM	64	49	113
42	9/10/2019	08:30 AM	48	54	102
43	9/10/2019	08:45 AM	40	41	81
44	9/10/2019	09:00 AM	48	28	76
45	9/10/2019	09:15 AM	27	31	58
46	9/10/2019	09:30 AM	28	30	58
47	9/10/2019	09:45 AM	38	36	74
48	9/10/2019	10:00 AM	32	28	60
49	9/10/2019	10:15 AM	35	24	59
50	9/10/2019	10:30 AM	30	30	60

	A	B	C	D	E
51	9/10/2019	10:45 AM	33	34	67
52	9/10/2019	11:00 AM	40	34	74
53	9/10/2019	11:15 AM	26	28	54
54	9/10/2019	11:30 AM	30	31	61
55	9/10/2019	11:45 AM	28	20	48
56	9/10/2019	12:00 PM	27	43	70
57	9/10/2019	12:15 PM	34	44	78
58	9/10/2019	12:30 PM	42	48	90
59	9/10/2019	12:45 PM	32	30	62
60	9/10/2019	01:00 PM	38	29	67
61	9/10/2019	01:15 PM	44	32	76
62	9/10/2019	01:30 PM	40	45	85
63	9/10/2019	01:45 PM	35	55	90
64	9/10/2019	02:00 PM	47	44	91
65	9/10/2019	02:15 PM	40	68	108
66	9/10/2019	02:30 PM	36	55	91
67	9/10/2019	02:45 PM	66	64	130
68	9/10/2019	03:00 PM	68	64	132
69	9/10/2019	03:15 PM	40	64	104
70	9/10/2019	03:30 PM	60	79	139
71	9/10/2019	03:45 PM	87	92	179
72	9/10/2019	04:00 PM	92	72	164
73	9/10/2019	04:15 PM	78	81	159
74	9/10/2019	04:30 PM	94	83	177
75	9/10/2019	04:45 PM	82	84	166
76	9/10/2019	05:00 PM	87	114	201
77	9/10/2019	05:15 PM	82	110	192
78	9/10/2019	05:30 PM	86	106	192
79	9/10/2019	05:45 PM	58	92	150
80	9/10/2019	06:00 PM	65	76	141
81	9/10/2019	06:15 PM	58	73	131
82	9/10/2019	06:30 PM	56	72	128
83	9/10/2019	06:45 PM	60	56	116
84	9/10/2019	07:00 PM	38	60	98
85	9/10/2019	07:15 PM	52	46	98
86	9/10/2019	07:30 PM	39	58	97
87	9/10/2019	07:45 PM	51	52	103
88	9/10/2019	08:00 PM	44	48	92
89	9/10/2019	08:15 PM	39	70	109
90	9/10/2019	08:30 PM	24	48	72
91	9/10/2019	08:45 PM	47	40	87
92	9/10/2019	09:00 PM	24	36	60
93	9/10/2019	09:15 PM	16	32	48
94	9/10/2019	09:30 PM	17	20	37
95	9/10/2019	09:45 PM	18	16	34
96	9/10/2019	10:00 PM	11	19	30
97	9/10/2019	10:15 PM	12	9	21
98	9/10/2019	10:30 PM	10	10	20
99	9/10/2019	10:45 PM	4	8	12
100	9/10/2019	11:00 PM	4	6	10

	A	B	C	D	E
101	9/10/2019	11:15 PM	10	11	21
102	9/10/2019	11:30 PM	6	8	14
103	9/10/2019	11:45 PM	4	6	10
104			3260	3474	6734