

January 28, 2026

Mr. Keith Letus, P.E.
Project Engineer
City of Las Vegas
Department of Public Works
495 S. Main Street
Las Vegas, NV 89101

Subject: UMC Tonopah-Wellness Parking Garage
LEN 251110

Dear Mr. Letus,

As conditioned by the approved design review, 24-0390 SDR1, for the proposed parking garage a queuing analysis has been prepared by Lochsa Engineering for the gated entry into the facility. The proposed parking garage is located on the southeast corner of the intersection of Tonopah Drive at Wellness Way and is addressed as 807 S. Tonopah Drive. The site is also referred to as assessor parcel numbers (A.P.N.) 139-33-410-001, 139-33-410-009, 139-33-410-018 and 139-33-410-029. The proposed improvements include an 800-stall parking garage.

In discussion with representatives from the City of Las Vegas, the queuing analysis was to be based on the existing parking entry demands for the two existing UMC parking garages (one immediately east of the proposed garage and the other just east of Willow Street). Refer to Appendix A for the City of Las Vegas scope.

Currently, the parking garage immediately east of the proposed garage (hereinafter referred to as the "West Garage" located on APN 139-33-405-008) features 369 parking stalls and is designated as private for staff only. The parking garage just east of Willow Street (hereinafter referred to as the "East Garage" located on APN 139-33-405-005) features 444 parking stalls and is currently designated as private. Upon development of the parking garage, the west garage will be utilized for staff only and the east garage will be open for public use. Employees currently parking in the east garage shall be transferred to the new proposed garage.

The existing parking garages were observed for parking demands. Observations of the parking demand were made on January 14, 2026 (west garage) and on January 15, 2026 (east garage) during the hours of 6-8AM and 6-8PM. Based on information by UMC, these times correspond to the staff shift changes. Refer to Appendix B for the recorded entry volumes at each parking garage.

To provide a basis of analysis for the proposed parking garage, the peak hour parking rate for the east garage was derived. This rate was calculated by taking the peak 15-minute entry volume and dividing it by the number of parking stalls in the garage. Based upon the observations, the AM and PM peak parking demand rates per parking stall are as follows:

East Garage AM Peak Hour	42 vehicles / 444 parking stalls	0.095 Vehicles per Parking Stall
East Garage PM Peak Hour	20 vehicles / 444 parking stalls	0.045 Vehicles per Parking Stall

The parking demand rates were then applied to the number of parking stalls in the proposed parking garage (800 stalls) to determine the anticipated peak entry volume. The result of those calculations is as follows:

Proposed Garage AM Peak Hour	$800 \text{ proposed stalls} * (0.095 \text{ veh/stall}) = 76 \text{ vehicles}$
Proposed Garage PM Peak Hour	$800 \text{ proposed stalls} * (0.045 \text{ veh/stall}) = 36 \text{ vehicles}$

Utilizing the anticipated entry volumes, a queuing analysis was performed of the proposed gate operations. The service time that was utilized was based off of the highest observed average service time (13.37 seconds for the AM and 8.79 seconds for the PM) based upon the traffic counts for both garages.

The anticipated queue length was calculated for the proposed parking garage (refer to Appendix C for the queue calculations). The result of the analysis is as follows:

<u>Proposed Garage</u>	<u>Anticipated Queue Length</u>
AM Peak Hour	25 Feet
PM Peak Hour	25 Feet

The parking demand rates were then applied to the number of parking stalls for a future proposed expansion of the parking garage (1750 stalls) to determine the anticipated peak entry volume. The result of those calculations is as follows:

Expanded Garage AM Peak Hour	$1750 \text{ proposed stalls} * (0.095 \text{ veh/stall}) = 167 \text{ vehicles}$
Expanded Garage PM Peak Hour	$1750 \text{ proposed stalls} * (0.045 \text{ veh/stall}) = 79 \text{ vehicles}$

The anticipated queue length was calculated for the expanded parking garage (refer to Appendix C for the queue calculations). The result of the analysis is as follows:

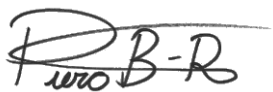
<u>Expanded Garage</u>	<u>Anticipated Queue Length</u>
AM Peak Hour	50 Feet
PM Peak Hour	25 Feet

Reviewing the site plan (refer to Appendix D), the proposed parking garage has been designed with two gated entry lanes with a throat depth of over 60 feet. Based upon the queuing analysis, the available storage is sufficient for the anticipated garage operations.

If you have any questions or comments, please contact our office at your convenience.

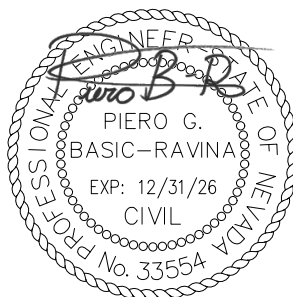
Sincerely,

Lochsa Engineering



Piero Basic-Ravina, P.E.

Project Engineer



1/28/2026

APPENDIX A

CITY OF LAS VEGAS SCOPE



Traffic Impact Analysis Scoping Checklist

Department of Public Works – Transportation Division

Date:	December 18, 2025		
To:	Demetrius Karanikolas, PE (Lochsca)		
Project Name:	UMC Employee Parking Garage		
Description:	800 parking spaces		
Project Location:	SEC Wellness Wy & Tonopah Dr		

Required Analysis:

☐ Master Traffic Impact Analysis	☐ Update Master Traffic Impact Analysis to
☐ Traffic Impact Analysis	☐ Update Traffic Impact Analysis to
☐ Addendum to	☐ Conceptual/Courtesy Review
☐ Pedestrian Connectivity Study	☒ Queueing Analysis

Intersections	LOS	Crash History	Left / Right Turn Lane Storage Analysis
Remarks: Please document the number AM & PM peak hour trips at the two (2) existing UMC parking garages (one immediately east of the proposed garage, and one east of Willow St). Use these observations to scale the number of trips to the proposed 800 space garage. Please determine the average capacity of each gate (vehicles/hr), and the anticipated maximum queue length during AM & PM peak hours.			

☒	Include scaled site plan that dimension adjacent driveways, medians, and driveway throat depths.
☒	TIAs may be submitted either electronically or in hard copy. For hard copies, submit 1 hard copy, 1 PDF copy and completed TIA submittal form to 495 S. Main Street, 1st Floor. Include this form with submittal, either electronic or hard copy. Electronic submittals may be emailed to me if they are not larger than 10GB and can meet NAC 625.610 for sealing electronic submittals. Contact me if email is not feasible.
☐	

Please contact Keith Letus (kletus@LasVegasNevada.gov) and Cesar A. Lopez (calopez@LasVegasNevada.gov) if you have any questions.

APPENDIX B

PARKING LOT OBSERVATIONS/CALCULATED PARKING RATES

Lochsa Engineering

6345 S. Jones Boulevard, Suite 100
Las Vegas, NV 89118

File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	6:00:01 AM	6:00:18 AM	17
1	2	6:00:20 AM	6:00:33 AM	13
1	3	6:00:38 AM	6:00:53 AM	15
1	4	6:01:01 AM	6:01:06 AM	5
1	5	6:01:31 AM	6:01:39 AM	8
1	6	6:02:35 AM	6:02:45 AM	10
1	7	6:02:42 AM	6:02:57 AM	15
1	8	6:03:17 AM	6:03:26 AM	9
1	9	6:03:30 AM	6:03:41 AM	11
1	10	6:03:34 AM	6:03:49 AM	15
1	11	6:03:39 AM	6:03:56 AM	17
1	12	6:03:50 AM	6:04:16 AM	26
1	13	6:04:38 AM	6:05:24 AM	46
1	14	6:04:41 AM	6:05:35 AM	54
1	15	6:05:02 AM	6:05:50 AM	48
1	16	6:05:55 AM	6:05:58 AM	3
1	17	6:07:30 AM	6:07:38 AM	8
1	18	6:07:41 AM	6:07:47 AM	6
1	19	6:08:15 AM	6:08:23 AM	8
1	20	6:08:51 AM	6:08:56 AM	5
1	21	6:08:52 AM	6:09:10 AM	18
1	22	6:09:42 AM	6:09:47 AM	5
1	23	6:10:16 AM	6:10:25 AM	9
1	24	6:10:31 AM	6:10:42 AM	11
1	25	6:12:12 AM	6:12:19 AM	7
1	26	6:12:25 AM	6:12:31 AM	6
1	27	6:12:59 AM	6:13:06 AM	7
1	28	6:13:52 AM	6:14:04 AM	12
1	29	6:13:58 AM	6:14:10 AM	12
1	30	6:14:52 AM	6:14:58 AM	6

Summary Information:

6:00:00 AM - 6:15:00 AM	Lane 1
Total Vehicle Count:	30
Delayed Vehicle Count:	30
Through Vehicle Count:	0
Average Stopped Time:	14.40
Maximum Stopped Time:	54
Min. Secs. for Delay:	0
Average Queue:	0.48
Queue Density:	1.35
Maximum Queue:	3
Delay in Vehicle Hour:	0.48
Total Delay:	432

L n.	No.	Joined Queue	Released From Queue	Delay
1	31	6:15:02 AM	6:15:07 AM	5
1	32	6:15:04 AM	6:15:20 AM	16

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File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
Page No : 2

L n.	No.	Joined Queue	Released From Queue	Delay
1	33	6:15:42 AM	6:15:51 AM	9
1	34	6:15:43 AM	6:15:59 AM	16
1	35	6:16:02 AM	6:16:08 AM	6
1	36	6:16:44 AM	6:17:19 AM	35
1	37	6:17:17 AM	6:17:24 AM	7
1	38	6:17:48 AM	6:17:56 AM	8
1	39	6:18:06 AM	6:18:12 AM	6
1	40	6:18:09 AM	6:18:17 AM	8
1	41	6:18:32 AM	6:18:37 AM	5
1	42	6:18:43 AM	6:18:58 AM	15
1	43	6:19:16 AM	6:19:24 AM	8
1	44	6:19:19 AM	6:19:36 AM	17
1	45	6:20:07 AM	6:20:16 AM	9
1	46	6:20:10 AM	6:20:24 AM	14
1	47	6:20:13 AM	6:20:35 AM	22
1	48	6:21:12 AM	6:21:23 AM	11
1	49	6:21:48 AM	6:21:53 AM	5
1	50	6:22:00 AM	6:22:06 AM	6
1	51	6:22:02 AM	6:22:19 AM	17
1	52	6:23:19 AM	6:23:31 AM	12
1	53	6:23:21 AM	6:23:38 AM	17
1	54	6:23:27 AM	6:23:44 AM	17
1	55	6:24:48 AM	6:24:52 AM	4
1	56	6:25:06 AM	6:25:17 AM	11
1	57	6:25:22 AM	6:25:27 AM	5
1	58	6:25:29 AM	6:25:43 AM	14
1	59	6:26:34 AM	6:26:41 AM	7
1	60	6:26:47 AM	6:27:24 AM	37
1	61	6:27:14 AM	6:27:33 AM	19
1	62	6:27:26 AM	6:27:36 AM	10
1	63	6:27:43 AM	6:27:55 AM	12
1	64	6:28:01 AM	6:28:08 AM	7
1	65	6:28:02 AM	6:28:12 AM	10
1	66	6:28:04 AM	6:28:20 AM	16
1	67	6:28:37 AM	6:28:56 AM	19
1	68	6:28:38 AM	6:29:16 AM	38
1	69	6:28:39 AM	6:29:23 AM	44
1	70	6:28:45 AM	6:29:30 AM	45
1	71	6:29:19 AM	6:29:58 AM	39
1	72	6:29:35 AM	6:30:03 AM	28

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Las Vegas, NV 89118

File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
Page No : 3

Summary Information:

6:15:00 AM - 6:30:00 AM	Lane 1
Total Vehicle Count:	42
Delayed Vehicle Count:	42
Through Vehicle Count:	0
Average Stopped Time:	15.62
Maximum Stopped Time:	45
Min. Secs. for Delay:	0
Average Queue:	0.73
Queue Density:	1.51
Maximum Queue:	4
Delay in Vehicle Hour:	0.73
Total Delay:	656

L n.	No.	Joined Queue	Released From Queue	Delay
1	73	6:30:40 AM	6:30:51 AM	11
1	74	6:30:44 AM	6:30:59 AM	15
1	75	6:31:03 AM	6:31:11 AM	8
1	76	6:31:34 AM	6:31:44 AM	10
1	77	6:32:09 AM	6:32:19 AM	10
1	78	6:32:12 AM	6:32:29 AM	17
1	79	6:34:19 AM	6:34:27 AM	8
1	80	6:34:24 AM	6:34:44 AM	20
1	81	6:34:32 AM	6:34:49 AM	17
1	82	6:35:13 AM	6:35:24 AM	11
1	83	6:35:43 AM	6:35:49 AM	6
1	84	6:36:02 AM	6:36:14 AM	12
1	85	6:36:37 AM	6:36:42 AM	5
1	86	6:37:03 AM	6:37:12 AM	9
1	87	6:37:10 AM	6:37:19 AM	9
1	88	6:37:23 AM	6:37:35 AM	12
1	89	6:38:39 AM	6:38:43 AM	4
1	90	6:38:47 AM	6:38:57 AM	10
1	91	6:39:04 AM	6:39:11 AM	7
1	92	6:41:37 AM	6:41:46 AM	9
1	93	6:41:41 AM	6:41:57 AM	16
1	94	6:41:44 AM	6:42:05 AM	21
1	95	6:41:52 AM	6:42:14 AM	22
1	96	6:43:12 AM	6:43:20 AM	8
1	97	6:43:43 AM	6:43:53 AM	10
1	98	6:43:59 AM	6:44:05 AM	6
1	99	6:44:15 AM	6:44:31 AM	16
1	100	6:44:21 AM	6:44:38 AM	17
1	101	6:44:24 AM	6:44:46 AM	22
1	102	6:44:29 AM	6:44:57 AM	28

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File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
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Summary Information:

6:30:00 AM - 6:45:00 AM	Lane 1
Total Vehicle Count:	30
Delayed Vehicle Count:	30
Through Vehicle Count:	0
Average Stopped Time:	12.53
Maximum Stopped Time:	28
Min. Secs. for Delay:	0
Average Queue:	0.44
Queue Density:	1.38
Maximum Queue:	4
Delay in Vehicle Hour:	0.44
Total Delay:	376

L n.	No.	Joined Queue	Released From Queue	Delay
1	103	6:45:23 AM	6:45:32 AM	9
1	104	6:46:03 AM	6:46:08 AM	5
1	105	6:46:17 AM	6:46:28 AM	11
1	106	6:46:38 AM	6:46:48 AM	10
1	107	6:46:40 AM	6:46:53 AM	13
1	108	6:46:45 AM	6:47:03 AM	18
1	109	6:46:58 AM	6:47:11 AM	13
1	110	6:47:00 AM	6:47:20 AM	20
1	111	6:49:00 AM	6:49:05 AM	5
1	112	6:49:10 AM	6:49:43 AM	33
1	113	6:49:13 AM	6:49:45 AM	32
1	114	6:49:50 AM	6:49:53 AM	3
1	115	6:49:57 AM	6:50:03 AM	6
1	116	6:49:59 AM	6:50:09 AM	10
1	117	6:50:14 AM	6:50:21 AM	7
1	118	6:50:24 AM	6:50:31 AM	7
1	119	6:50:55 AM	6:51:01 AM	6
1	120	6:52:24 AM	6:52:33 AM	9
1	121	6:52:47 AM	6:52:58 AM	11
1	122	6:52:55 AM	6:53:16 AM	21
1	123	6:53:05 AM	6:53:19 AM	14
1	124	6:53:12 AM	6:53:27 AM	15
1	125	6:53:15 AM	6:53:36 AM	21
1	126	6:53:31 AM	6:53:40 AM	9
1	127	6:53:33 AM	6:53:43 AM	10
1	128	6:53:51 AM	6:54:03 AM	12
1	129	6:54:29 AM	6:54:35 AM	6
1	130	6:55:54 AM	6:56:03 AM	9
1	131	6:56:49 AM	6:56:57 AM	8
1	132	6:58:15 AM	6:58:26 AM	11
1	133	6:58:55 AM	6:59:07 AM	12
1	134	6:59:40 AM	6:59:48 AM	8

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File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
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Summary Information:

6:45:00 AM - 7:00:00 AM	Lane 1
Total Vehicle Count:	32
Delayed Vehicle Count:	32
Through Vehicle Count:	0
Average Stopped Time:	12.00
Maximum Stopped Time:	33
Min. Secs. for Delay:	0
Average Queue:	0.44
Queue Density:	1.41
Maximum Queue:	4
Delay in Vehicle Hour:	0.44
Total Delay:	384

L n.	No.	Joined Queue	Released From Queue	Delay
1	135	7:00:14 AM	7:00:25 AM	11
1	136	7:01:59 AM	7:02:11 AM	12
1	137	7:02:03 AM	7:02:23 AM	20
1	138	7:02:43 AM	7:02:51 AM	8
1	139	7:03:10 AM	7:03:21 AM	11
1	140	7:03:19 AM	7:03:33 AM	14
1	141	7:05:05 AM	7:05:16 AM	11
1	142	7:05:21 AM	7:05:28 AM	7
1	143	7:05:31 AM	7:05:42 AM	11
1	144	7:05:35 AM	7:06:17 AM	42
1	145	7:07:40 AM	7:08:07 AM	27
1	146	7:09:13 AM	7:09:23 AM	10
1	147	7:11:24 AM	7:11:33 AM	9
1	148	7:12:01 AM	7:12:09 AM	8
1	149	7:12:28 AM	7:12:51 AM	23
1	150	7:12:33 AM	7:13:01 AM	28
1	151	7:12:58 AM	7:13:11 AM	13
1	152	7:13:39 AM	7:13:46 AM	7
1	153	7:13:42 AM	7:13:54 AM	12
1	154	7:14:44 AM	7:14:59 AM	15

Summary Information:

7:00:00 AM - 7:15:00 AM	Lane 1
Total Vehicle Count:	20
Delayed Vehicle Count:	20
Through Vehicle Count:	0
Average Stopped Time:	14.95
Maximum Stopped Time:	42
Min. Secs. for Delay:	0
Average Queue:	0.34
Queue Density:	1.16
Maximum Queue:	2
Delay in Vehicle Hour:	0.34
Total Delay:	299

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L n.	No.	Joined Queue	Released From Queue	Delay
1	155	7:15:58 AM	7:16:02 AM	4
1	156	7:16:08 AM	7:16:22 AM	14
1	157	7:16:10 AM	7:16:32 AM	22
1	158	7:18:20 AM	7:18:28 AM	8
1	159	7:18:44 AM	7:18:51 AM	7
1	160	7:18:45 AM	7:19:01 AM	16
1	161	7:19:02 AM	7:19:07 AM	5
1	162	7:19:08 AM	7:19:29 AM	21
1	163	7:19:12 AM	7:19:33 AM	21
1	164	7:21:25 AM	7:21:35 AM	10
1	165	7:21:32 AM	7:21:46 AM	14
1	166	7:21:41 AM	7:21:53 AM	12
1	167	7:21:43 AM	7:22:03 AM	20
1	168	7:22:08 AM	7:22:19 AM	11
1	169	7:22:25 AM	7:22:28 AM	3
1	170	7:23:07 AM	7:23:13 AM	6
1	171	7:23:20 AM	7:23:40 AM	20
1	172	7:23:38 AM	7:23:58 AM	20
1	173	7:24:02 AM	7:24:11 AM	9
1	174	7:24:15 AM	7:24:22 AM	7
1	175	7:24:19 AM	7:24:29 AM	10
1	176	7:24:24 AM	7:24:38 AM	14
1	177	7:25:29 AM	7:25:38 AM	9
1	178	7:27:28 AM	7:27:46 AM	18
1	179	7:28:57 AM	7:29:06 AM	9
1	180	7:29:09 AM	7:29:18 AM	9
1	181	7:29:45 AM	7:29:56 AM	11

Summary Information:

7:15:00 AM - 7:30:00 AM	Lane 1
Total Vehicle Count:	27
Delayed Vehicle Count:	27
Through Vehicle Count:	0
Average Stopped Time:	12.22
Maximum Stopped Time:	22
Min. Secs. for Delay:	0
Average Queue:	0.39
Queue Density:	1.24
Maximum Queue:	3
Delay in Vehicle Hour:	0.39
Total Delay:	330

L n.	No.	Joined Queue	Released From Queue	Delay
1	182	7:32:28 AM	7:32:34 AM	6
1	183	7:32:29 AM	7:32:38 AM	9
1	184	7:33:34 AM	7:33:43 AM	9
1	185	7:33:35 AM	7:33:48 AM	13
1	186	7:36:16 AM	7:36:34 AM	18
1	187	7:37:34 AM	7:37:58 AM	24
1	188	7:37:35 AM	7:38:08 AM	33
1	189	7:38:26 AM	7:38:52 AM	26
1	190	7:40:06 AM	7:40:14 AM	8
1	191	7:40:08 AM	7:40:19 AM	11
1	192	7:40:36 AM	7:40:45 AM	9
1	193	7:40:53 AM	7:41:02 AM	9
1	194	7:42:27 AM	7:42:37 AM	10
1	195	7:42:49 AM	7:42:59 AM	10

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File Name : UMC East Employee Garage AM
Site Code : 00000000
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L n.	No.	Joined Queue	Released From Queue	Delay
1	196	7:43:12 AM	7:43:18 AM	6
1	197	7:43:50 AM	7:43:59 AM	9

Summary Information:

7:30:00 AM - 7:45:00 AM	Lane 1
Total Vehicle Count:	16
Delayed Vehicle Count:	16
Through Vehicle Count:	0
Average Stopped Time:	13.13
Maximum Stopped Time:	33
Min. Secs. for Delay:	0
Average Queue:	0.30
Queue Density:	1.25
Maximum Queue:	2
Delay in Vehicle Hour:	0.30
Total Delay:	210

L n.	No.	Joined Queue	Released From Queue	Delay
1	198	7:45:18 AM	7:45:26 AM	8
1	199	7:45:23 AM	7:45:35 AM	12
1	200	7:45:40 AM	7:45:48 AM	8
1	201	7:45:43 AM	7:45:55 AM	12
1	202	7:46:21 AM	7:46:31 AM	10
1	203	7:47:09 AM	7:47:20 AM	11
1	204	7:47:15 AM	7:47:24 AM	9
1	205	7:49:38 AM	7:49:55 AM	17
1	206	7:49:39 AM	7:50:02 AM	23
1	207	7:50:00 AM	7:50:19 AM	19
1	208	7:50:11 AM	7:50:22 AM	11
1	209	7:50:12 AM	7:50:39 AM	27
1	210	7:51:03 AM	7:51:11 AM	8
1	211	7:51:22 AM	7:51:27 AM	5
1	212	7:51:23 AM	7:51:31 AM	8
1	213	7:52:12 AM	7:52:20 AM	8
1	214	7:52:35 AM	7:52:45 AM	10
1	215	7:52:56 AM	7:53:05 AM	9
1	216	7:53:36 AM	7:53:42 AM	6
1	217	7:54:08 AM	7:54:14 AM	6
1	218	7:54:44 AM	7:54:54 AM	10
1	219	7:55:33 AM	7:55:42 AM	9
1	220	7:56:05 AM	7:56:15 AM	10
1	221	7:56:08 AM	7:56:24 AM	16
1	222	7:56:34 AM	7:56:41 AM	7
1	223	7:57:53 AM	7:58:09 AM	16
1	224	7:58:11 AM	7:58:20 AM	9
1	225	7:58:13 AM	7:58:29 AM	16
1	226	7:58:47 AM	7:59:01 AM	14

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Las Vegas, NV 89118

File Name : UMC East Employee Garage AM
Site Code : 00000000
Start Date : 1/13/2026
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Summary Information:

7:45:00 AM - 8:00:00 AM	Lane 1
Total Vehicle Count:	29
Delayed Vehicle Count:	29
Through Vehicle Count:	0
Average Stopped Time:	11.52
Maximum Stopped Time:	27
Min. Secs. for Delay:	0
Average Queue:	0.40
Queue Density:	1.25
Maximum Queue:	3
Delay in Vehicle Hour:	0.41
Total Delay:	334

Summary Information:

6:00:00 AM - 8:00:00 AM	Lane 1
Total Vehicle Count:	226
Delayed Vehicle Count:	226
Through Vehicle Count:	0
Average Stopped Time:	13.37
Maximum Stopped Time:	54
Min. Secs. for Delay:	0
Average Queue:	0.42
Queue Density:	1.34
Maximum Queue:	4
Delay in Vehicle Hour:	0.42
Total Delay:	3021

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L n.	No.	Joined Queue	Released From Queue	Delay
1	1	5:59:00 PM	5:59:09 PM	9
1	2	6:00:54 PM	6:00:59 PM	5
1	3	6:01:14 PM	6:01:24 PM	10
1	4	6:01:30 PM	6:01:49 PM	19
1	5	6:03:34 PM	6:03:39 PM	5
1	6	6:04:50 PM	6:04:55 PM	5
1	7	6:08:59 PM	6:09:07 PM	8
1	8	6:10:54 PM	6:11:03 PM	9
1	9	6:10:59 PM	6:11:09 PM	10
1	10	6:12:12 PM	6:12:18 PM	6
1	11	6:12:32 PM	6:12:36 PM	4

Summary Information:

5:59:00 PM - 6:14:00 PM	Lane 1
Total Vehicle Count:	11
Delayed Vehicle Count:	11
Through Vehicle Count:	0
Average Stopped Time:	8.18
Maximum Stopped Time:	19
Min. Secs. for Delay:	0
Average Queue:	0.11
Queue Density:	1.05
Maximum Queue:	2
Delay in Vehicle Hour:	0.11
Total Delay:	90

L n.	No.	Joined Queue	Released From Queue	Delay
1	12	6:14:44 PM	6:14:57 PM	13
1	13	6:14:52 PM	6:15:09 PM	17
1	14	6:16:32 PM	6:16:34 PM	2
1	15	6:16:40 PM	6:16:49 PM	9
1	16	6:17:30 PM	6:17:37 PM	7
1	17	6:18:15 PM	6:18:21 PM	6
1	18	6:18:55 PM	6:19:10 PM	15
1	19	6:18:57 PM	6:19:18 PM	21
1	20	6:20:15 PM	6:20:20 PM	5
1	21	6:21:36 PM	6:22:09 PM	33
1	22	6:21:57 PM	6:22:16 PM	19
1	23	6:22:55 PM	6:23:01 PM	6
1	24	6:23:08 PM	6:23:20 PM	12
1	25	6:23:26 PM	6:23:35 PM	9
1	26	6:25:40 PM	6:25:56 PM	16
1	27	6:26:11 PM	6:26:17 PM	6
1	28	6:27:00 PM	6:27:06 PM	6
1	29	6:27:24 PM	6:27:33 PM	9
1	30	6:28:01 PM	6:28:05 PM	4
1	31	6:28:18 PM	6:28:27 PM	9

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Summary Information:

6:14:00 PM - 6:29:00 PM	Lane 1
Total Vehicle Count:	20
Delayed Vehicle Count:	20
Through Vehicle Count:	0
Average Stopped Time:	11.20
Maximum Stopped Time:	33
Min. Secs. for Delay:	0
Average Queue:	0.27
Queue Density:	1.16
Maximum Queue:	2
Delay in Vehicle Hour:	0.27
Total Delay:	224

L n.	No.	Joined Queue	Released From Queue	Delay
1	32	6:29:13 PM	6:29:19 PM	6
1	33	6:30:21 PM	6:30:27 PM	6
1	34	6:30:33 PM	6:30:43 PM	10
1	35	6:30:35 PM	6:30:52 PM	17
1	36	6:31:19 PM	6:31:26 PM	7
1	37	6:31:58 PM	6:32:11 PM	13
1	38	6:32:18 PM	6:32:35 PM	17
1	39	6:32:24 PM	6:32:44 PM	20
1	40	6:33:53 PM	6:33:59 PM	6
1	41	6:34:48 PM	6:34:53 PM	5
1	42	6:35:55 PM	6:36:01 PM	6
1	43	6:37:11 PM	6:37:18 PM	7
1	44	6:43:24 PM	6:43:31 PM	7

Summary Information:

6:29:00 PM - 6:44:00 PM	Lane 1
Total Vehicle Count:	13
Delayed Vehicle Count:	13
Through Vehicle Count:	0
Average Stopped Time:	9.77
Maximum Stopped Time:	20
Min. Secs. for Delay:	0
Average Queue:	0.15
Queue Density:	1.18
Maximum Queue:	2
Delay in Vehicle Hour:	0.15
Total Delay:	127

L n.	No.	Joined Queue	Released From Queue	Delay
1	45	6:45:48 PM	6:45:54 PM	6
1	46	6:46:11 PM	6:46:14 PM	3
1	47	6:47:50 PM	6:47:56 PM	6
1	48	6:48:05 PM	6:48:15 PM	10

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Summary Information:

6:44:00 PM - 6:59:00 PM	Lane 1
Total Vehicle Count:	4
Delayed Vehicle Count:	4
Through Vehicle Count:	0
Average Stopped Time:	6.25
Maximum Stopped Time:	10
Min. Secs. for Delay:	0
Average Queue:	0.16
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.17
Total Delay:	25

L n.	No.	Joined Queue	Released From Queue	Delay
1	49	7:02:32 PM	7:02:35 PM	3
1	50	7:05:46 PM	7:05:49 PM	3
1	51	7:06:50 PM	7:06:54 PM	4
1	52	7:08:26 PM	7:08:32 PM	6

Summary Information:

6:59:00 PM - 7:14:00 PM	Lane 1
Total Vehicle Count:	4
Delayed Vehicle Count:	4
Through Vehicle Count:	0
Average Stopped Time:	4.00
Maximum Stopped Time:	6
Min. Secs. for Delay:	0
Average Queue:	0.04
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.04
Total Delay:	16

L n.	No.	Joined Queue	Released From Queue	Delay
1	53	7:14:18 PM	7:14:24 PM	6
1	54	7:15:58 PM	7:16:06 PM	8
1	55	7:16:12 PM	7:16:18 PM	6
1	56	7:26:37 PM	7:26:44 PM	7
1	57	7:26:41 PM	7:26:48 PM	7

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Summary Information:

7:14:00 PM - 7:29:00 PM	Lane 1
Total Vehicle Count:	5
Delayed Vehicle Count:	5
Through Vehicle Count:	0
Average Stopped Time:	6.80
Maximum Stopped Time:	8
Min. Secs. for Delay:	0
Average Queue:	0.04
Queue Density:	1.10
Maximum Queue:	2
Delay in Vehicle Hour:	0.05
Total Delay:	34

L n.	No.	Joined Queue	Released From Queue	Delay
1	58	7:41:35 PM	7:41:40 PM	5

Summary Information:

7:29:00 PM - 7:44:00 PM	Lane 1
Total Vehicle Count:	1
Delayed Vehicle Count:	1
Through Vehicle Count:	0
Average Stopped Time:	5.00
Maximum Stopped Time:	5
Min. Secs. for Delay:	0
Average Queue:	0.80
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	1.00
Total Delay:	5

L n.	No.	Joined Queue	Released From Queue	Delay
1	59	7:49:00 PM	7:49:06 PM	6
1	60	7:57:59 PM	7:58:03 PM	4

Summary Information:

7:44:00 PM - 7:59:00 PM	Lane 1
Total Vehicle Count:	2
Delayed Vehicle Count:	2
Through Vehicle Count:	0
Average Stopped Time:	5.00
Maximum Stopped Time:	6
Min. Secs. for Delay:	0
Average Queue:	0.02
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.02
Total Delay:	10

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L n.	No.	Joined Queue	Released From Queue	Delay
1	61	8:06:33 PM	8:06:38 PM	5

Summary Information:

7:59:00 PM - 8:07:00 PM	Lane 1
Total Vehicle Count:	1
Delayed Vehicle Count:	1
Through Vehicle Count:	0
Average Stopped Time:	5.00
Maximum Stopped Time:	5
Min. Secs. for Delay:	0
Average Queue:	0.80
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	1.00
Total Delay:	5

Summary Information:

5:59:00 PM - 8:07:00 PM	Lane 1
Total Vehicle Count:	61
Delayed Vehicle Count:	61
Through Vehicle Count:	0
Average Stopped Time:	8.79
Maximum Stopped Time:	33
Min. Secs. for Delay:	0
Average Queue:	0.07
Queue Density:	1.12
Maximum Queue:	2
Delay in Vehicle Hour:	0.07
Total Delay:	536

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L n.	No.	Joined Queue	Released From Queue	Delay
1	1	6:01:01 AM	6:01:12 AM	11
1	2	6:01:39 AM	6:01:43 AM	4
1	3	6:01:50 AM	6:01:54 AM	4
1	4	6:02:10 AM	6:02:16 AM	6
1	5	6:04:25 AM	6:04:34 AM	9
1	6	6:04:28 AM	6:04:41 AM	13
1	7	6:04:47 AM	6:04:59 AM	12
1	8	6:07:15 AM	6:07:25 AM	10
1	9	6:07:29 AM	6:07:34 AM	5
1	10	6:09:09 AM	6:09:13 AM	4
1	11	6:09:35 AM	6:09:39 AM	4
1	12	6:09:53 AM	6:10:03 AM	10
1	13	6:10:27 AM	6:10:36 AM	9
1	14	6:10:53 AM	6:10:56 AM	3
1	15	6:11:01 AM	6:11:05 AM	4
1	16	6:11:51 AM	6:11:59 AM	8
1	17	6:11:55 AM	6:12:06 AM	11
1	18	6:12:06 AM	6:12:17 AM	11
1	19	6:15:12 AM	6:15:16 AM	4
1	20	6:15:28 AM	6:15:39 AM	11
1	21	6:15:56 AM	6:16:07 AM	11

Summary Information:

6:01:00 AM - 6:16:00 AM	Lane 1
Total Vehicle Count:	21
Delayed Vehicle Count:	21
Through Vehicle Count:	0
Average Stopped Time:	7.81
Maximum Stopped Time:	13
Min. Secs. for Delay:	0
Average Queue:	0.18
Queue Density:	1.07
Maximum Queue:	2
Delay in Vehicle Hour:	0.18
Total Delay:	164

L n.	No.	Joined Queue	Released From Queue	Delay
1	22	6:16:59 AM	6:17:04 AM	5
1	23	6:17:18 AM	6:17:23 AM	5
1	24	6:18:03 AM	6:18:16 AM	13
1	25	6:18:31 AM	6:18:40 AM	9
1	26	6:18:45 AM	6:18:49 AM	4
1	27	6:18:54 AM	6:19:00 AM	6
1	28	6:19:35 AM	6:19:39 AM	4
1	29	6:19:57 AM	6:20:04 AM	7
1	30	6:20:40 AM	6:20:50 AM	10
1	31	6:20:57 AM	6:21:01 AM	4
1	32	6:21:06 AM	6:21:13 AM	7

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L n.	No.	Joined Queue	Released From Queue	Delay
1	33	6:21:46 AM	6:21:54 AM	8
1	34	6:21:50 AM	6:22:03 AM	13
1	35	6:22:14 AM	6:22:19 AM	5
1	36	6:22:24 AM	6:22:29 AM	5
1	37	6:23:40 AM	6:23:43 AM	3
1	38	6:23:46 AM	6:23:50 AM	4
1	39	6:24:15 AM	6:24:32 AM	17
1	40	6:24:24 AM	6:24:40 AM	16
1	41	6:25:47 AM	6:25:52 AM	5
1	42	6:26:42 AM	6:26:47 AM	5
1	43	6:27:19 AM	6:27:25 AM	6
1	44	6:27:33 AM	6:27:38 AM	5
1	45	6:27:48 AM	6:27:51 AM	3
1	46	6:28:34 AM	6:28:40 AM	6
1	47	6:29:09 AM	6:29:22 AM	13

Summary Information:

6:16:00 AM - 6:31:00 AM	Lane 1
Total Vehicle Count:	26
Delayed Vehicle Count:	26
Through Vehicle Count:	0
Average Stopped Time:	7.23
Maximum Stopped Time:	17
Min. Secs. for Delay:	0
Average Queue:	0.25
Queue Density:	1.07
Maximum Queue:	2
Delay in Vehicle Hour:	0.25
Total Delay:	188

L n.	No.	Joined Queue	Released From Queue	Delay
1	48	6:31:13 AM	6:31:19 AM	6
1	49	6:31:14 AM	6:31:24 AM	10
1	50	6:32:00 AM	6:32:03 AM	3
1	51	6:33:05 AM	6:33:14 AM	9
1	52	6:34:39 AM	6:34:51 AM	12
1	53	6:36:06 AM	6:36:12 AM	6
1	54	6:36:08 AM	6:36:18 AM	10
1	55	6:36:42 AM	6:36:46 AM	4
1	56	6:37:04 AM	6:37:07 AM	3
1	57	6:37:22 AM	6:37:26 AM	4
1	58	6:37:45 AM	6:37:55 AM	10
1	59	6:38:53 AM	6:38:58 AM	5
1	60	6:39:04 AM	6:39:08 AM	4
1	61	6:39:30 AM	6:39:33 AM	3
1	62	6:40:24 AM	6:40:41 AM	17
1	63	6:40:28 AM	6:40:47 AM	19
1	64	6:41:26 AM	6:41:48 AM	22
1	65	6:41:57 AM	6:42:01 AM	4
1	66	6:42:45 AM	6:42:54 AM	9

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L n.	No.	Joined Queue	Released From Queue	Delay
1	67	6:42:48 AM	6:43:01 AM	13
1	68	6:43:07 AM	6:43:16 AM	9
1	69	6:44:01 AM	6:44:07 AM	6
1	70	6:44:02 AM	6:44:18 AM	16
1	71	6:44:27 AM	6:44:32 AM	5
1	72	6:44:46 AM	6:44:50 AM	4
1	73	6:44:54 AM	6:45:00 AM	6

Summary Information:

6:31:00 AM - 6:46:00 AM	Lane 1
Total Vehicle Count:	26
Delayed Vehicle Count:	26
Through Vehicle Count:	0
Average Stopped Time:	8.42
Maximum Stopped Time:	22
Min. Secs. for Delay:	0
Average Queue:	0.26
Queue Density:	1.18
Maximum Queue:	2
Delay in Vehicle Hour:	0.26
Total Delay:	219

L n.	No.	Joined Queue	Released From Queue	Delay
1	74	6:46:22 AM	6:46:26 AM	4
1	75	6:46:39 AM	6:46:45 AM	6
1	76	6:46:50 AM	6:46:54 AM	4
1	77	6:47:09 AM	6:47:48 AM	39
1	78	6:47:21 AM	6:47:53 AM	32
1	79	6:47:23 AM	6:48:06 AM	43
1	80	6:48:32 AM	6:48:36 AM	4
1	81	6:48:34 AM	6:48:46 AM	12
1	82	6:49:11 AM	6:49:16 AM	5
1	83	6:49:49 AM	6:49:53 AM	4
1	84	6:50:36 AM	6:50:57 AM	21
1	85	6:50:42 AM	6:51:07 AM	25
1	86	6:51:18 AM	6:51:23 AM	5
1	87	6:51:28 AM	6:51:35 AM	7
1	88	6:51:41 AM	6:51:49 AM	8
1	89	6:51:52 AM	6:52:00 AM	8
1	90	6:52:39 AM	6:52:46 AM	7
1	91	6:52:52 AM	6:53:00 AM	8
1	92	6:54:27 AM	6:54:43 AM	16
1	93	6:55:03 AM	6:55:11 AM	8
1	94	6:56:54 AM	6:56:59 AM	5
1	95	6:57:35 AM	6:57:39 AM	4
1	96	6:59:15 AM	6:59:21 AM	6
1	97	7:00:42 AM	7:00:47 AM	5

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Summary Information:

6:46:00 AM - 7:01:00 AM	Lane 1
Total Vehicle Count:	24
Delayed Vehicle Count:	24
Through Vehicle Count:	0
Average Stopped Time:	11.92
Maximum Stopped Time:	43
Min. Secs. for Delay:	0
Average Queue:	0.33
Queue Density:	1.35
Maximum Queue:	3
Delay in Vehicle Hour:	0.33
Total Delay:	286

L n.	No.	Joined Queue	Released From Queue	Delay
1	98	7:01:22 AM	7:01:32 AM	10
1	99	7:02:27 AM	7:02:30 AM	3
1	100	7:02:34 AM	7:02:42 AM	8
1	101	7:03:06 AM	7:03:13 AM	7
1	102	7:06:06 AM	7:07:39 AM	93
1	103	7:07:47 AM	7:07:50 AM	3
1	104	7:08:49 AM	7:08:55 AM	6
1	105	7:09:39 AM	7:09:50 AM	11
1	106	7:10:53 AM	7:10:58 AM	5
1	107	7:10:56 AM	7:11:05 AM	9
1	108	7:11:02 AM	7:11:12 AM	10
1	109	7:12:34 AM	7:12:39 AM	5
1	110	7:12:42 AM	7:12:48 AM	6
1	111	7:13:06 AM	7:13:14 AM	8
1	112	7:13:23 AM	7:13:28 AM	5
1	113	7:14:41 AM	7:14:47 AM	6
1	114	7:15:39 AM	7:15:45 AM	6

Summary Information:

7:01:00 AM - 7:16:00 AM	Lane 1
Total Vehicle Count:	17
Delayed Vehicle Count:	17
Through Vehicle Count:	0
Average Stopped Time:	11.82
Maximum Stopped Time:	93
Min. Secs. for Delay:	0
Average Queue:	0.23
Queue Density:	1.03
Maximum Queue:	2
Delay in Vehicle Hour:	0.23
Total Delay:	201

L n.	No.	Joined Queue	Released From Queue	Delay
1	115	7:17:08 AM	7:17:34 AM	26
1	116	7:17:39 AM	7:17:42 AM	3

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L n.	No.	Joined Queue	Released From Queue	Delay
1	117	7:17:46 AM	7:17:49 AM	3
1	118	7:18:09 AM	7:18:15 AM	6
1	119	7:18:21 AM	7:18:27 AM	6
1	120	7:21:24 AM	7:21:32 AM	8
1	121	7:23:05 AM	7:23:10 AM	5
1	122	7:23:13 AM	7:23:20 AM	7
1	123	7:23:22 AM	7:23:30 AM	8
1	124	7:24:01 AM	7:24:09 AM	8
1	125	7:25:08 AM	7:25:14 AM	6
1	126	7:25:25 AM	7:25:31 AM	6
1	127	7:26:29 AM	7:26:38 AM	9
1	128	7:27:05 AM	7:27:10 AM	5
1	129	7:28:14 AM	7:28:19 AM	5
1	130	7:28:50 AM	7:29:05 AM	15

Summary Information:

7:16:00 AM - 7:31:00 AM	Lane 1
Total Vehicle Count:	16
Delayed Vehicle Count:	16
Through Vehicle Count:	0
Average Stopped Time:	7.88
Maximum Stopped Time:	26
Min. Secs. for Delay:	0
Average Queue:	0.17
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.18
Total Delay:	126

L n.	No.	Joined Queue	Released From Queue	Delay
1	131	7:32:22 AM	7:32:28 AM	6
1	132	7:32:30 AM	7:32:33 AM	3
1	133	7:33:52 AM	7:33:59 AM	7
1	134	7:34:07 AM	7:34:12 AM	5
1	135	7:34:17 AM	7:34:22 AM	5
1	136	7:35:16 AM	7:35:21 AM	5
1	137	7:35:24 AM	7:35:31 AM	7
1	138	7:36:31 AM	7:36:36 AM	5
1	139	7:36:31 AM	7:36:44 AM	13
1	140	7:36:53 AM	7:37:03 AM	10
1	141	7:37:24 AM	7:37:33 AM	9
1	142	7:37:46 AM	7:37:55 AM	9
1	143	7:37:51 AM	7:38:01 AM	10
1	144	7:37:52 AM	7:38:08 AM	16
1	145	7:39:52 AM	7:39:57 AM	5
1	146	7:42:13 AM	7:42:23 AM	10
1	147	7:43:03 AM	7:43:12 AM	9
1	148	7:44:32 AM	7:44:41 AM	9
1	149	7:44:46 AM	7:44:55 AM	9
1	150	7:45:37 AM	7:45:45 AM	8

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L n.	No.	Joined Queue	Released From Queue	Delay
1	151	7:45:50 AM	7:46:00 AM	10

Summary Information:

7:31:00 AM - 7:46:00 AM	Lane 1
Total Vehicle Count:	21
Delayed Vehicle Count:	21
Through Vehicle Count:	0
Average Stopped Time:	8.10
Maximum Stopped Time:	16
Min. Secs. for Delay:	0
Average Queue:	0.21
Queue Density:	1.12
Maximum Queue:	3
Delay in Vehicle Hour:	0.21
Total Delay:	170

L n.	No.	Joined Queue	Released From Queue	Delay
1	152	7:46:59 AM	7:47:08 AM	9
1	153	7:47:45 AM	7:47:55 AM	10
1	154	7:48:23 AM	7:48:31 AM	8
1	155	7:49:39 AM	7:49:50 AM	11
1	156	7:50:43 AM	7:50:53 AM	10
1	157	7:52:07 AM	7:52:12 AM	5
1	158	7:54:09 AM	7:54:24 AM	15
1	159	7:55:01 AM	7:55:13 AM	12
1	160	7:55:43 AM	7:55:50 AM	7
1	161	7:56:33 AM	7:56:41 AM	8
1	162	7:56:43 AM	7:56:56 AM	13
1	163	7:56:46 AM	7:57:00 AM	14
1	164	7:58:50 AM	7:58:54 AM	4
1	165	7:58:59 AM	7:59:04 AM	5

Summary Information:

7:46:00 AM - 8:00:00 AM	Lane 1
Total Vehicle Count:	14
Delayed Vehicle Count:	14
Through Vehicle Count:	0
Average Stopped Time:	9.36
Maximum Stopped Time:	15
Min. Secs. for Delay:	0
Average Queue:	0.18
Queue Density:	1.08
Maximum Queue:	2
Delay in Vehicle Hour:	0.18
Total Delay:	131

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File Name : UMC West Employee Garage AM
Site Code : 00000000
Start Date : 1/14/2026
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Summary Information:

6:01:00 AM - 8:00:00 AM	Lane 1
Total Vehicle Count:	165
Delayed Vehicle Count:	165
Through Vehicle Count:	0
Average Stopped Time:	9.00
Maximum Stopped Time:	93
Min. Secs. for Delay:	0
Average Queue:	0.21
Queue Density:	1.12
Maximum Queue:	3
Delay in Vehicle Hour:	0.21
Total Delay:	1485

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File Name : UMC West Employee Garage PM
Site Code : 00000000
Start Date : 1/14/2026
Page No : 1

L n.	No.	Joined Queue	Released From Queue	Delay
1	1	6:00:01 PM	6:00:07 PM	6
1	2	6:00:28 PM	6:00:32 PM	4
1	3	6:01:11 PM	6:01:16 PM	5
1	4	6:01:12 PM	6:01:23 PM	11
1	5	6:01:46 PM	6:01:55 PM	9
1	6	6:02:09 PM	6:02:19 PM	10
1	7	6:03:42 PM	6:03:57 PM	15
1	8	6:03:43 PM	6:04:00 PM	17
1	9	6:05:22 PM	6:05:40 PM	18
1	10	6:09:12 PM	6:09:42 PM	30
1	11	6:11:30 PM	6:11:35 PM	5
1	12	6:11:50 PM	6:11:58 PM	8
1	13	6:13:01 PM	6:13:08 PM	7
1	14	6:14:42 PM	6:14:49 PM	7

Summary Information:

6:00:00 PM - 6:15:00 PM	Lane 1
Total Vehicle Count:	14
Delayed Vehicle Count:	14
Through Vehicle Count:	0
Average Stopped Time:	10.86
Maximum Stopped Time:	30
Min. Secs. for Delay:	0
Average Queue:	0.17
Queue Density:	1.14
Maximum Queue:	2
Delay in Vehicle Hour:	0.17
Total Delay:	152

L n.	No.	Joined Queue	Released From Queue	Delay
1	15	6:16:21 PM	6:16:32 PM	11
1	16	6:21:02 PM	6:21:06 PM	4
1	17	6:21:49 PM	6:22:00 PM	11
1	18	6:22:03 PM	6:22:13 PM	10
1	19	6:22:18 PM	6:22:25 PM	7
1	20	6:22:57 PM	6:23:03 PM	6
1	21	6:26:11 PM	6:26:23 PM	12
1	22	6:26:52 PM	6:27:01 PM	9
1	23	6:26:53 PM	6:27:11 PM	18
1	24	6:27:09 PM	6:27:30 PM	21
1	25	6:28:20 PM	6:28:32 PM	12
1	26	6:28:53 PM	6:29:02 PM	9
1	27	6:29:06 PM	6:29:13 PM	7
1	28	6:29:09 PM	6:29:19 PM	10

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File Name : UMC West Employee Garage PM
Site Code : 00000000
Start Date : 1/14/2026
Page No : 2

Summary Information:

6:15:00 PM - 6:30:00 PM	Lane 1
Total Vehicle Count:	14
Delayed Vehicle Count:	14
Through Vehicle Count:	0
Average Stopped Time:	10.50
Maximum Stopped Time:	21
Min. Secs. for Delay:	0
Average Queue:	0.19
Queue Density:	1.11
Maximum Queue:	2
Delay in Vehicle Hour:	0.19
Total Delay:	147

L n.	No.	Joined Queue	Released From Queue	Delay
1	29	6:30:27 PM	6:30:37 PM	10
1	30	6:30:47 PM	6:30:55 PM	8
1	31	6:31:47 PM	6:31:58 PM	11
1	32	6:31:52 PM	6:32:04 PM	12
1	33	6:32:40 PM	6:32:52 PM	12
1	34	6:34:23 PM	6:34:31 PM	8
1	35	6:35:30 PM	6:35:37 PM	7
1	36	6:37:05 PM	6:37:17 PM	12
1	37	6:38:40 PM	6:38:44 PM	4
1	38	6:39:33 PM	6:39:39 PM	6
1	39	6:40:46 PM	6:40:52 PM	6
1	40	6:41:59 PM	6:42:08 PM	9
1	41	6:43:52 PM	6:44:00 PM	8
1	42	6:44:03 PM	6:44:08 PM	5
1	43	6:44:53 PM	6:44:58 PM	5

Summary Information:

6:30:00 PM - 6:45:00 PM	Lane 1
Total Vehicle Count:	15
Delayed Vehicle Count:	15
Through Vehicle Count:	0
Average Stopped Time:	8.20
Maximum Stopped Time:	12
Min. Secs. for Delay:	0
Average Queue:	0.14
Queue Density:	1.05
Maximum Queue:	2
Delay in Vehicle Hour:	0.14
Total Delay:	123

L n.	No.	Joined Queue	Released From Queue	Delay
1	44	6:46:59 PM	6:47:06 PM	7
1	45	6:48:01 PM	6:48:09 PM	8
1	46	6:48:03 PM	6:48:16 PM	13
1	47	6:49:12 PM	6:49:19 PM	7

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L n.	No.	Joined Queue	Released From Queue	Delay
1	48	6:50:11 PM	6:50:21 PM	10
1	49	6:51:31 PM	6:51:34 PM	3
1	50	6:51:48 PM	6:51:53 PM	5
1	51	6:52:57 PM	6:53:06 PM	9
1	52	6:53:29 PM	6:53:37 PM	8

Summary Information:

6:45:00 PM - 7:00:00 PM	Lane 1
Total Vehicle Count:	9
Delayed Vehicle Count:	9
Through Vehicle Count:	0
Average Stopped Time:	7.78
Maximum Stopped Time:	13
Min. Secs. for Delay:	0
Average Queue:	0.17
Queue Density:	1.10
Maximum Queue:	2
Delay in Vehicle Hour:	0.18
Total Delay:	70

L n.	No.	Joined Queue	Released From Queue	Delay
1	53	7:05:27 PM	7:05:32 PM	5
1	54	7:09:46 PM	7:09:49 PM	3

Summary Information:

7:00:00 PM - 7:15:00 PM	Lane 1
Total Vehicle Count:	2
Delayed Vehicle Count:	2
Through Vehicle Count:	0
Average Stopped Time:	4.00
Maximum Stopped Time:	5
Min. Secs. for Delay:	0
Average Queue:	0.03
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.03
Total Delay:	8

L n.	No.	Joined Queue	Released From Queue	Delay
1	55	7:18:12 PM	7:18:20 PM	8
1	56	7:22:57 PM	7:23:03 PM	6
1	57	7:26:02 PM	7:26:10 PM	8
1	58	7:29:41 PM	7:29:46 PM	5

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File Name : UMC West Employee Garage PM
Site Code : 00000000
Start Date : 1/14/2026
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Summary Information:

7:15:00 PM - 7:30:00 PM	Lane 1
Total Vehicle Count:	4
Delayed Vehicle Count:	4
Through Vehicle Count:	0
Average Stopped Time:	6.75
Maximum Stopped Time:	8
Min. Secs. for Delay:	0
Average Queue:	0.04
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.04
Total Delay:	27

L n.	No.	Joined Queue	Released From Queue	Delay
1	59	7:30:23 PM	7:30:30 PM	7
1	60	7:32:01 PM	7:32:12 PM	11
1	61	7:34:25 PM	7:34:31 PM	6
1	62	7:38:30 PM	7:38:35 PM	5

Summary Information:

7:30:00 PM - 7:45:00 PM	Lane 1
Total Vehicle Count:	4
Delayed Vehicle Count:	4
Through Vehicle Count:	0
Average Stopped Time:	7.25
Maximum Stopped Time:	11
Min. Secs. for Delay:	0
Average Queue:	0.06
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	0.06
Total Delay:	29

L n.	No.	Joined Queue	Released From Queue	Delay
1	63	7:46:20 PM	7:46:29 PM	9
1	64	7:49:51 PM	7:50:00 PM	9
1	65	7:50:41 PM	7:50:49 PM	8
1	66	7:53:16 PM	7:53:28 PM	12
1	67	7:55:07 PM	7:55:16 PM	9
1	68	7:55:13 PM	7:55:18 PM	5
1	69	7:58:52 PM	7:59:03 PM	11
1	70	7:59:59 PM	8:00:06 PM	7

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File Name : UMC West Employee Garage PM
Site Code : 00000000
Start Date : 1/14/2026
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Summary Information:

7:45:00 PM - 8:00:00 PM	Lane 1
Total Vehicle Count:	8
Delayed Vehicle Count:	8
Through Vehicle Count:	0
Average Stopped Time:	8.75
Maximum Stopped Time:	12
Min. Secs. for Delay:	0
Average Queue:	0.08
Queue Density:	1.05
Maximum Queue:	2
Delay in Vehicle Hour:	0.08
Total Delay:	70

L n.	No.	Joined Queue	Released From Queue	Delay
1	71	8:01:53 PM	8:02:05 PM	12

Summary Information:

8:00:00 PM - 8:03:00 PM	Lane 1
Total Vehicle Count:	1
Delayed Vehicle Count:	1
Through Vehicle Count:	0
Average Stopped Time:	12.00
Maximum Stopped Time:	12
Min. Secs. for Delay:	0
Average Queue:	0.92
Queue Density:	1.00
Maximum Queue:	1
Delay in Vehicle Hour:	1.00
Total Delay:	12

Summary Information:

6:00:00 PM - 8:03:00 PM	Lane 1
Total Vehicle Count:	71
Delayed Vehicle Count:	71
Through Vehicle Count:	0
Average Stopped Time:	8.99
Maximum Stopped Time:	30
Min. Secs. for Delay:	0
Average Queue:	0.09
Queue Density:	1.08
Maximum Queue:	2
Delay in Vehicle Hour:	0.09
Total Delay:	638

APPENDIX C

QUEUE CALCULATION WORKSHEETS

QUEUING ANALYSIS

UMC Tonopah-Wellness Proposed Parking Garage (AM Peak Hour)

SERVICE TIME= 0.22 MINUTES/VEHICLE

ARRIVAL RATE= 76 VEHICLES/HOUR

NO. OF LANES= 2 LANES

$Q = (60 \text{ min/hr}) / (\text{service rate}) = \mathbf{269.26 \text{ SERVICES/VEHICLE}}$

$p = (\text{arrival rate}) / ((\text{no. of lanes}) \times Q) = \mathbf{0.1411}$

$Q_m(\text{from table 8-11}) = \mathbf{0.0381}$

* The acceptable probability of the queue, M, being longer than the storage is 1%.

$P(X > M) = 0.01$

$M = [(\ln P(X > M) - \ln Q_m) / \ln p] - 1 = \mathbf{-0.32 \text{ VEHICLES}}$

AVERAGE LENGTH PER VEHICLE = 25 FEET

CALCULATED STORAGE LENGTH = (M) X (25 ft/veh) = $\mathbf{-7 \text{ FEET / LANE}}$

REQUIRED STORAGE LENGTH = 25 FEET / LANE

p	NUMBER OF LANES						
	1	2	3	4	6	8	10
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1000	0.1000	0.0182	0.0037	0.0008	0.0000	0.0000	0.0000
0.2000	0.2000	0.0666	0.0247	0.0096	0.0015	0.0002	0.0000
0.3000	0.3000	0.1385	0.0700	0.0370	0.0111	0.0036	0.0011
0.4000	0.4000	0.2286	0.1411	0.0907	0.0400	0.0185	0.0088
0.5000	0.5000	0.3333	0.2366	0.1739	0.0991	0.0591	0.0360
0.6000	0.6000	0.4501	0.3548	0.2870	0.1965	0.1395	0.1013
0.7000	0.7000	0.5766	0.4923	0.4286	0.3359	0.2706	0.2218
0.8000	0.8000	0.7111	0.6472	0.5964	0.5178	0.4576	0.4093
0.9000	0.9000	0.8525	0.8172	0.7878	0.7401	0.7014	0.6687
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

QUEUING ANALYSIS

UMC Tonopah-Wellness Proposed Parking Garage (PM Peak Hour)

SERVICE TIME= **0.15** MINUTES/VEHICLE

ARRIVAL RATE= **36** VEHICLES/HOUR

NO. OF LANES= **2** LANES

$Q = (60 \text{ min/hr}) / (\text{service rate}) =$ **409.56** SERVICES/VEHICLE

$p = (\text{arrival rate}) / ((\text{no. of lanes}) \times Q) =$ **0.0440**

$Q_m(\text{from table 8-11}) =$ **0.0080**

* The acceptable probability of the queue, M, being longer than the storage is 1%.

$P(X > M) = 0.01$

$M = [(\ln P(X > M) - \ln Q_m) / \ln p] - 1 =$ **-1.07** VEHICLES

AVERAGE LENGTH PER VEHICLE = 25 FEET

CALCULATED STORAGE LENGTH = (M) X (25 ft/veh) = **-26** FEET / LANE

REQUIRED STORAGE LENGTH = 25 FEET / LANE

<i>p</i>	NUMBER OF LANES						
	1	2	3	4	6	8	10
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1000	0.1000	0.0182	0.0037	0.0008	0.0000	0.0000	0.0000
0.2000	0.2000	0.0666	0.0247	0.0096	0.0015	0.0002	0.0000
0.3000	0.3000	0.1385	0.0700	0.0370	0.0111	0.0036	0.0011
0.4000	0.4000	0.2286	0.1411	0.0907	0.0400	0.0185	0.0088
0.5000	0.5000	0.3333	0.2366	0.1739	0.0991	0.0591	0.0360
0.6000	0.6000	0.4501	0.3548	0.2870	0.1965	0.1395	0.1013
0.7000	0.7000	0.5766	0.4923	0.4286	0.3359	0.2706	0.2218
0.8000	0.8000	0.7111	0.6472	0.5964	0.5178	0.4576	0.4093
0.9000	0.9000	0.8525	0.8172	0.7878	0.7401	0.7014	0.6687
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

QUEUING ANALYSIS

UMC Tonopah-Wellness Expanded Parking Garage (AM Peak Hour)

SERVICE TIME= 0.22 MINUTES/VEHICLE

ARRIVAL RATE= 167 VEHICLES/HOUR

NO. OF LANES= 2 LANES

$Q = (60 \text{ min/hr}) / (\text{service rate}) = \mathbf{269.26 \text{ SERVICES/VEHICLE}}$

$p = (\text{arrival rate}) / ((\text{no. of lanes}) \times Q) = \mathbf{0.3101}$

$Q_m(\text{from table 8-11}) = \mathbf{0.1476}$

* The acceptable probability of the queue, M, being longer than the storage is 1%.

$P(X > M) = 0.01$

$M = [(\ln P(X > M) - \ln Q_m) / \ln p] - 1 = \mathbf{1.30 \text{ VEHICLES}}$

AVERAGE LENGTH PER VEHICLE = 25 FEET

CALCULATED STORAGE LENGTH = (M) X (25 ft/veh) = 33 FEET / LANE

REQUIRED STORAGE LENGTH = 50 FEET / LANE

p	NUMBER OF LANES						
	1	2	3	4	6	8	10
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1000	0.1000	0.0182	0.0037	0.0008	0.0000	0.0000	0.0000
0.2000	0.2000	0.0666	0.0247	0.0096	0.0015	0.0002	0.0000
0.3000	0.3000	0.1385	0.0700	0.0370	0.0111	0.0036	0.0011
0.4000	0.4000	0.2286	0.1411	0.0907	0.0400	0.0185	0.0088
0.5000	0.5000	0.3333	0.2366	0.1739	0.0991	0.0591	0.0360
0.6000	0.6000	0.4501	0.3548	0.2870	0.1965	0.1395	0.1013
0.7000	0.7000	0.5766	0.4923	0.4286	0.3359	0.2706	0.2218
0.8000	0.8000	0.7111	0.6472	0.5964	0.5178	0.4576	0.4093
0.9000	0.9000	0.8525	0.8172	0.7878	0.7401	0.7014	0.6687
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

QUEUING ANALYSIS

UMC Tonopah-Wellness Expanded Parking Garage (PM Peak Hour)

SERVICE TIME= 0.15 MINUTES/VEHICLE

ARRIVAL RATE= 79 VEHICLES/HOUR

NO. OF LANES= 2 LANES

$Q = (60 \text{ min/hr}) / (\text{service rate}) = 409.56$ SERVICES/VEHICLE

$p = (\text{arrival rate}) / ((\text{no. of lanes}) \times Q) = 0.0964$

$Q_m(\text{from table 8-11}) = 0.0176$

* The acceptable probability of the queue, M, being longer than the storage is 1%.

$P(X > M) = 0.01$

$M = [(\ln P(X > M) - \ln Q_m) / \ln p] - 1 = -0.76$ VEHICLES

AVERAGE LENGTH PER VEHICLE = 25 FEET

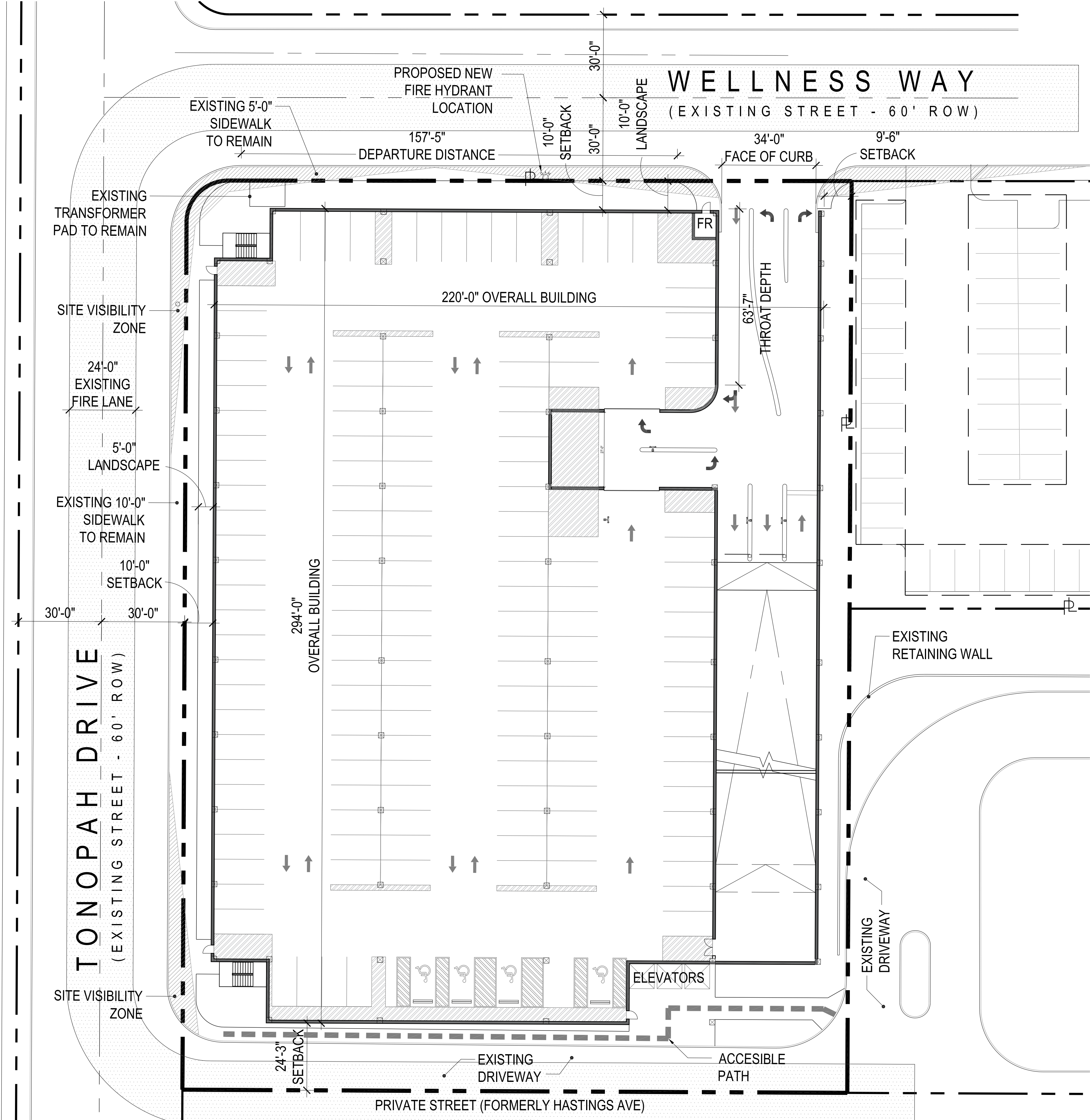
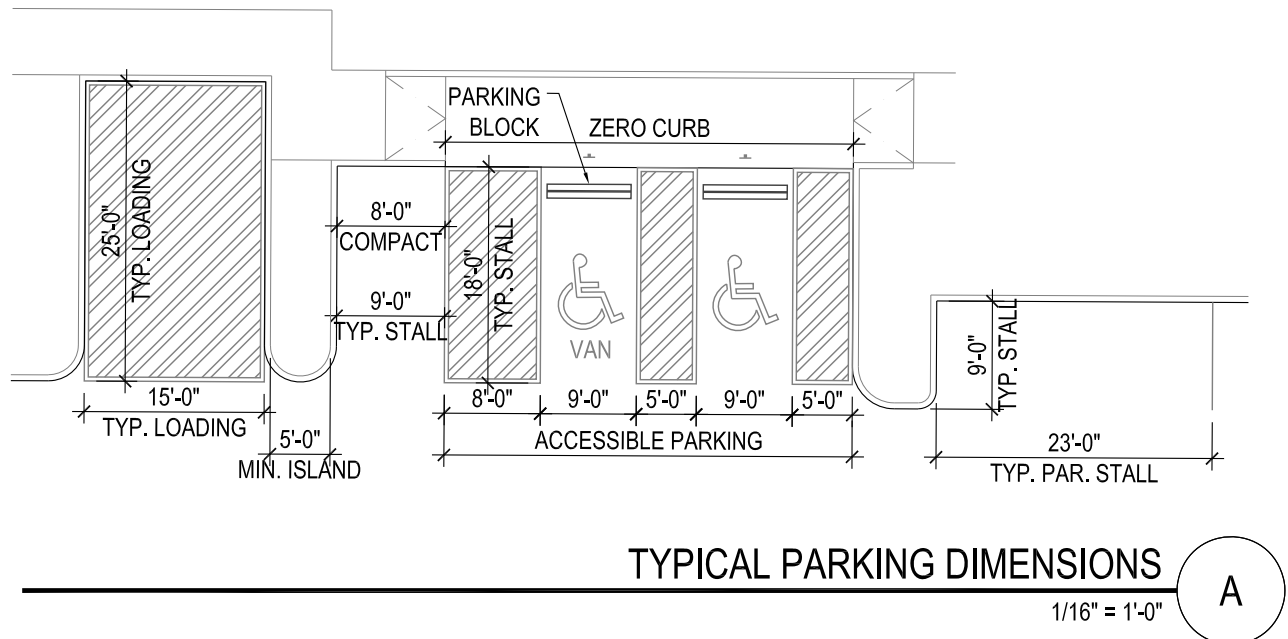
CALCULATED STORAGE LENGTH = (M) X (25 ft/veh) = -18 FEET / LANE

REQUIRED STORAGE LENGTH = 25 FEET / LANE

<i>p</i>	NUMBER OF LANES						
	1	2	3	4	6	8	10
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1000	0.1000	0.0182	0.0037	0.0008	0.0000	0.0000	0.0000
0.2000	0.2000	0.0666	0.0247	0.0096	0.0015	0.0002	0.0000
0.3000	0.3000	0.1385	0.0700	0.0370	0.0111	0.0036	0.0011
0.4000	0.4000	0.2286	0.1411	0.0907	0.0400	0.0185	0.0088
0.5000	0.5000	0.3333	0.2366	0.1739	0.0991	0.0591	0.0360
0.6000	0.6000	0.4501	0.3548	0.2870	0.1965	0.1395	0.1013
0.7000	0.7000	0.5766	0.4923	0.4286	0.3359	0.2706	0.2218
0.8000	0.8000	0.7111	0.6472	0.5964	0.5178	0.4576	0.4093
0.9000	0.9000	0.8525	0.8172	0.7878	0.7401	0.7014	0.6687
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

APPENDIX D

SITE PLAN



SITE INFORMATION	
PARCEL NUMBERS	139-33-410-001/009/018/029
JURISDICTION	CITY OF LAS VEGAS
PLANNED LAND USE	FBC
ZONING CLASSIFICATION	T6-UGL
SITE AREA	1.82 ACRES (79,280 SF)
BUILDING FOOTPRINT	63,350 SF
BUILDING LOT COVERAGE	80%

BUILDING INFORMATION	
GROSS BUILDING AREA:	
LEVEL 1	63,350 SF
LEVEL 2	63,350 SF
LEVEL 3	63,350 SF
LEVEL 4	63,350 SF
LEVEL 5	59,246 SF
TOTAL:	312,646 SF
BUILDING HEIGHT:	
LEVEL 1 = 13'-0", ALL OTHER LEVELS = 10'-0"	57'-0"

PARKING REQUIREMENTS	
PARKING - PER CLV TITLE 19	
TOTAL STALLS REQUIRED:	TBD
PARKING PROVIDED:	
STANDARD STALL (9'x18')	780 STALLS
LOW EMISSION VEHICLE STALLS (9'x18')	0 STALLS
ELECTRIC CHARGING STATIONS (9'x18')	0 STALLS
STANDARD ACCESSIBLE STALLS	10 STALLS
VAN ACCESSIBLE STALLS	10 STALLS
TOTAL PARKING PROVIDED:	800 STALLS

- SITE PLAN NOTES**
- SITE LIGHTING SHALL CONFORM TO CITY OF LAS VEGAS STANDARDS.
 - LANDSCAPE OUTSIDE THE LIMIT OF WORK SHALL BE PROVIDED AND MAINTAINED BY MASTER DEVELOPMENT.
 - ALL NEW LANDSCAPE SHALL CONFORM TO CITY OF LAS VEGAS DEVELOPMENT CODE.

