

## **Traffic and Parking Study Proposed - New Police Station**

December 8, 2016 / **REVISED:** February 14, 2017

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Director of Planning & Community Development

Parking counts provided by: Police Department  
Traffic Counts Provided by: Engineering Department

### **Part 1:**

#### **Project context and Summary Statement**

A traffic and parking analysis has been undertaken relative to the planning and proposed impacts of the redevelopment of the Police Station building on the Municipal Campus. The Municipal Campus is approximately four acres located at the northeast corner of Arlington Heights Road and Sigwalt Street.

In September 2015 the Village Board accepted a feasibility study prepared by consultants. The feasibility Study evaluated the existing Police Station building deficiencies and developed a “best fit” Police Station option on the existing Municipal Campus.

In February 2016, the Village Board retained the services of Legat Architects, McClaren, Wilson & Lawrie, Inc. and other consultants as part of their team, to prepare construction drawings for the new Police Station. In May 2016, the Village Board retained the services of Riley Construction to be the Construction Manager. The following is a summary of the key proposed changes to the Municipal Campus:

- The existing Police Station building will be demolished and replaced with a new 70,500 square foot building.
- There is no planned increase in the functions within the Police Department. The current building is severely undersized and does not meet the needs of a state of the art Police Department, nor does it comply with the current code requirements for Police Station buildings.
- No additional Police personnel are planned immediately for the facility. Although future growth can be accommodated within the building, as may be determined necessary by the Village.
- The Village Hall and Fire Department located on the campus remain with no modifications or changes relative to expanded personnel.
- In 2005, the Village amended the Plan Unit Development for the Municipal Campus to incorporate the former Hill Behan Lumber yard on the north side and to construct the Fire Station and Village Hall. The Fire Station and Village Hall buildings were completed in 2008.

### **Part 2:**

#### **Traffic Analysis**

##### **Roadway Network**

Arlington Heights Road is a major north-south arterial through the Village and northern Cook County. Arlington Heights Road is under the jurisdiction of the Illinois Department of Transportation (IDOT), but is not classified as a Strategic Regional Arterial (SRA) route. Along the site frontage, Arlington Heights Road provides two travel lanes in each direction separated by left turn lanes for Sigwalt Street and Northwest Highway. Sigwalt Street is approximately 600 feet south of the Union Pacific Northwest Line Railroad (UPRR). The posted speed limit along Arlington Heights Road is 30-mph. Arlington Heights Road 2014 ADT was 26,100 vehicles.

Sigwalt Street is a local east-west route under the jurisdiction of the Village of Arlington Heights. At its intersection with Arlington Heights Road, Sigwalt provides separate left and right turn lanes and a single through lane in each direction. East of the existing Municipal Campus main access, Sigwalt is striped for one wide lane in each direction. Sigwalt Street west of Bristol Lane 2002 ADT was 3,608 vehicles.

Pine and Belmont Streets are local north-south streets that parallel Arlington Heights Road and intersect Sigwalt Street at “T” intersections along the site frontage. Both local streets generally provide one travel

lane in each direction and have parking allowed along both sides. Both are also under Stop Sign control at their intersections with Sigwalt.

### Existing Traffic

In 2005 Gewalt Hamilton Associates, conducted weekday morning and evening peak period traffic counts at the various intersections surrounding the Municipal Campus as well as at the internal intersection leading to the second floor of the parking structure. The time periods were chosen so as to coincide with the highest combination of Village Hall and commuter-generated traffic.

Since 2005, the following modifications and changes, that impact traffic and parking at the Municipal Campus have occurred.

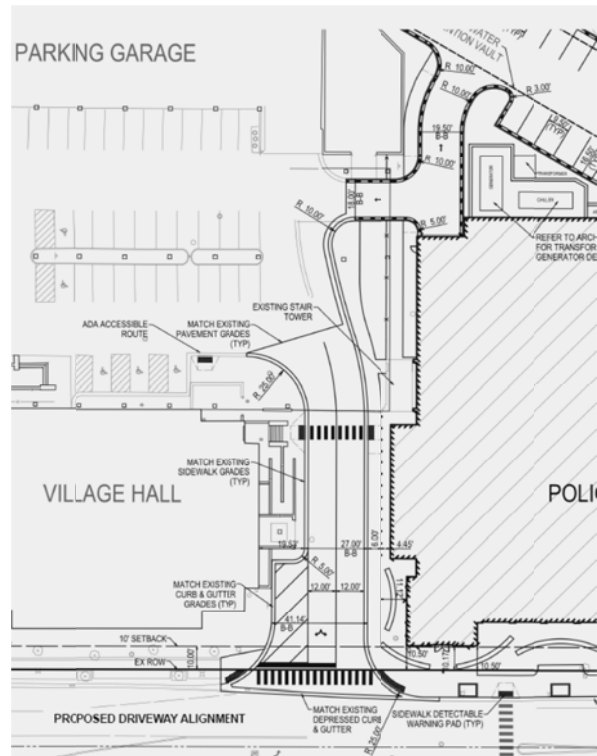
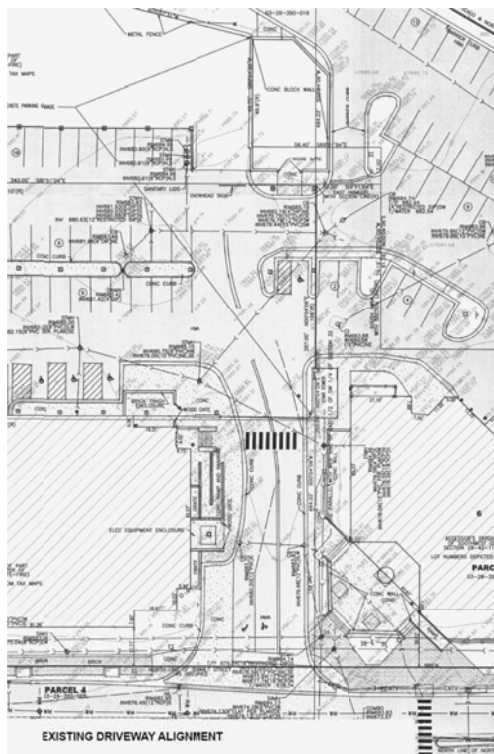
- The Vail Avenue garage was expanded from 800 parking spaces to 1,200 parking spaces and a shift of commuter parking occurred from the Municipal garage to the Vail Avenue garage
- The Village Hall and Fire Department were built and occupied at the beginning of 2008.
- Village Hall employee count reduced from 112 employees to 84 employees, as a result of the recession. Although 95 daytime employees utilize the campus with part-time and contract employees.

Between 2006 and 2008 modifications were made to the traffic signals at Arlington Heights Road and Sigwalt Street. No additional roadway improvements were necessary.

### Proposed Site Plan Changes

In order to accommodate the Police Station building, modifications are necessary to the main driveway between the Police Station and the Village Hall. These include the following:

- A two lane cross section is proposed with one ingress and egress lane versus a three lane cross section. The existing loading zone by Village Hall remains.
- The driveway into the municipal garage has been straightened.
- Existing driveway conflicts once customers enter the garage have been eliminated. This cleans up traffic flow and access into the Municipal parking garage.
- A clearly delineated pedestrian access from the public parking in the garage, to the police station front door is being developed. Currently customers going to the Police Station are forced to walk in the driveway at certain points due to lack of sufficient sidewalk width.



## 2016 Traffic Counts

The Village of Arlington Heights Engineering Department conducted traffic counts at the Municipal Campus's main driveway in November 2016. The data generated by these traffic counts, is summarized as follows:

Inbound and Outbound Municipal Campus Peak Traffic Counts			Municipal Campus Peak Outbound Traffic Counts	
Day	AM Peak	PM Peak	Day	Southbound
Thursday 11/17/16	N/A	4 PM - 77	Thursday 11/17/16	4 PM - 46
Friday 11/18/16	11 AM - 83	2 PM - 93	Friday 11/18/16	4 PM - 44
Saturday 11/19/16	11 AM - 25	2 PM - 43	Saturday 11/19/16	2 PM - 14
Sunday 11/20/16	6 AM - 19	2 PM - 27	Sunday 11/20/16	3 PM - 13
Monday 11/21/16	7 AM - 82	2 PM - 91	Monday 11/21/16	5 PM - 51
Tuesday 11/22/16	11 AM - 70	1 PM - 90	Tuesday 11/22/16	3 PM - 38
Wednesday 11/23/16	8 AM - 65	N/A		

Based upon the Engineering Department counts, peak hour traffic inbound and outbound into the Municipal garage occurred at 2 PM with a total of 93 trips. Maximum trips during a 24 hour period occurred on Monday, November 21, 2016 with a total of 1,046 inbound and outbound trips. Peak hour trips leaving the Municipal campus southbound were 51 between 5 PM and 6 PM on Monday, November 21, 2016.

While modifications to the main driveway are proposed, no negative impacts are projected. In addition, police vehicles will utilize the east driveway between the new Police Station and the fire station reducing impact upon the main access point to the Municipal garage.

## Trip Distribution

Also, as part of the 2005 traffic study, Gewalt Hamilton observed trip distribution to the Municipal Campus. The trip distribution observed by Gewalt Hamilton is identified in the table below. It is not anticipated that trip distribution to and from the Municipal campus has changed or will change as a result of the proposed Police Station.

Trip Distribution:		
Route	Direction (To/From)	Percent Use
Arlington Heights Rd.	North of Sigwalt	25%
	South of Sigwalt	15%
Sigwalt Avenue	East of Campus	15%
	West of Arlington Heights	35%
Pine Street	South of Sigwalt	5%
Belmont Street	South of Sigwalt	5%
<i>Source: Gewalt Hamilton</i>		<b>Total = 100%</b>

## Accident Data November 2013 – November 2016

The Arlington Heights Police Department records ran a search on the following intersections and addresses within or near the Municipal complex to identify crash data.

33 S. AH Rd.	8 parking lot crashes
200 E. Sigwalt St.	7 parking lot crashes
300 E. Sigwalt St.	2 parking lot crashes
Pine at Sigwalt St.	No report
Belmont at Sigwalt St.	No report
AH Rd. at Sigwalt St.	35 intersection or close proximity crashes reported

The Police Department indicated that this does not represent a large amount of accidents over a three-year time period.

**Part 3:  
Parking Analysis**

**Background**

As part of the 2015 feasibility study, a parking analysis was conducted of the entire Municipal Campus. Parking counts were conducted by the Police Department for each parking area within the Municipal Campus. This data was analyzed with existing building capacities and meetings that were occurring at the time.

**Existing Parking**

The total number of parking spaces for the Municipal Campus is 441 spaces. This includes Lot O (Arlington Heights Road and Sigwalt) and the two lots across the street from the Police and Fire Stations.

<b>MUNICIPAL CAMPUS PARKING</b>				
Existing Supply				
<b>Visitor</b>	<b>Village Vehicles</b>	<b>Employees</b>	<b>Daily Fee</b>	<b>TOTAL</b>
53	40	250	98	<b>441</b>

**Proposed Parking**

With the demolition and rebuilding of the Police Station, 8 parking spaces at the rear of the Police building will be eliminated and two spaces within the garage. Total Municipal Campus parking will be 434 spaces.

<b>MUNICIPAL CAMPUS PARKING</b>				
Proposed Supply				
<b>Visitor</b>	<b>Village Vehicles</b>	<b>Employees</b>	<b>Daily Fee</b>	<b>TOTAL</b>
53	40	243	98	<b>434</b>

**Historical Municipal Campus Parking Capacity**

Parking counts have taken place at the Municipal Campus, in 2005 pre-redevelopment, with the inclusion of the former lumber yard space post redevelopment in 2009, during the feasibility study analysis in 2014, and more recently in November 2016. These historical parking counts are summarized in the table below.

Historical Municipal Parking Campus Peak Capacity					
	2005	2009	2014	2016	Proposed
Total Spaces	485	453	441	441	434
Peak	301	240	292	244	268
Occupied	62%	53%	66%	55%	62%
Vacant	186	213	149	193	166

The above chart represents the peak maximum occupancy of the Municipal Campus parking at the time period when the counts took place. This represents a worst case scenario with respect to available parking, as there were many other time periods throughout the day during the counts, when there were more available parking spaces.

**Projected Parking Needs for the Municipal Campus**

The 2015 feasibility study identified the following as projected parking needs. However, not all Police and Village vehicles are on site at the same time. Patrol vehicles are on the street other than shift change and the Police day shift is 60 employees not the total department count listed below.

<b>Police Department</b>	
<b>Department Vehicles</b>	
Department Vehicles	71
Spare Vehicles	10
<b>Total Vehicles</b>	<b>81</b>
<b>Staff Parking</b>	
Required Parking Spaces at Peak Demand	110
Take Home Vehicles	-7
<b>Total Staff Parking Required</b>	<b>103</b>
<b>Public</b>	
Visitors	10
Community and Training Room Parking	30
<b>Total Public Parking Required</b>	<b>40</b>
<b>Total Police Parking Required</b>	<b>224</b>
<b>Village Hall</b>	
<b>Department Vehicles</b>	<b>20</b>
<b>Staff Parking</b>	<b>84</b>
<b>Public</b>	
Visitors	20
Board Room	30
Community Room	20
<b>Total Village Hall Parking Required</b>	<b>174</b>
<b>Fire Department</b>	
<b>Department Vehicles</b>	
<b>Staff Parking</b>	<b>9</b>
<b>Public</b>	<b>3</b>
<b>Total Fire Department Parking Required</b>	<b>12</b>
<b>TOTAL PARKING REQUIRED</b>	<b>410</b>

<b>POLICE DEPARTMENT EMPLOYEES</b>	
Average mid week count	
Day shift 6:30 am - 5:00 pm	60 employees
Afternoon shift 3:00 pm - 11:00 pm	23 employees
Midnight shift 11:00 pm - 7:00 am	12 employees
Day shift includes all daytime plus shift employees. Excludes 5 officer vacancies. Excludes 5 offsite officers eq. Narcotics Task Force and High School officers.	

### 2014 Municipal Campus Parking Summary Findings

Between November 14 and November 19, the Police Department conducted parking counts on the Municipal Campus at 9:30 am, 2:30 pm, and 6:00 pm. See attachment for detailed counts.

<b>MUNICIPAL PARKING PEAK DAYTIME CAPACITY</b>						
<b>November 14, 18 &amp; 19, 2014</b>						
		<b>Supply</b>	<b>Occupied</b>	<b>%</b>	<b>Vacant</b>	<b>%</b>
Visitor	Wed. 2:30 pm	53	21	41%	32	60%
Employees	Wed. 2:30 pm	150	133	89%	17	11%
Police lot	Tues. 6:00 pm	75	56	75%	19	25%
Daily fee	Tues. 2:30 pm	98	60	61%	38	39%
Village Vehicles	Wed. 2:30 pm	40	34	85%	6	15%
Fire Dept.	Fri. 2:30 pm	25	13	52%	12	48%
<b>TOTAL</b>	-----	<b>441</b>	<b>317</b>	<b>71.9%</b>	<b>124</b>	<b>28.12%</b>

The following is a summary of some of the study findings:

- Peak occupancy of the Municipal Campus occurred on Wednesday, November 19 at 2:30 pm when 66% of the Municipal Campus parking spaces were occupied, with 149 (34%) vacant.
- On Wednesday, November 19 during the peak employee parking demand, Lutheran General Hospital held a meeting in the Village Hall Community meeting rooms with 30-35 attendees. The meeting ran from 9:00 am to 4:00 pm and impacted all day parking.
- Maximum peak capacity taking a worst case scenario of different days and different hours, illustrated occupancy of 317 spaces with 28% or 124 spaces still available.
- Daily fee parking is not fully utilized - at least 29 to 30 spaces were available.
- Employee parking had a peak capacity at 2:30 pm on Wednesday, November 19 with 133 spaces occupied and 17 available. However, there were at that time 27 spaces available in the Police lot and 19 spaces available in Lot O on Sigwalt Street.
- Visitor parking on levels 2, 3, and Lot O had minimal usage during the day.

It is important to note that the parking counts were conducted over three days and represent a snapshot in time reflecting the occupancy of the garage at that particular time. Other meetings and events at different occasions may have different impact on the available parking.

### 2016 Municipal Campus Parking Summary Findings

Between November 14 and November 18, 2016 the Police Department conducted parking counts Monday through Friday on the Municipal Campus at 9:30 am, 2:30 pm, and 6:00 pm. See attachment for detailed counts.

<b>MUNICIPAL PARKING PEAK DAYTIME CAPACITY</b>						
<b>November 14 to 18 2016</b>						
		<b>Supply</b>	<b>Occupied</b>	<b>%</b>	<b>Vacant</b>	<b>%</b>
Visitor	Mon. 6:00 pm	53	22	41%	31	59%
Employees	Fri. 2:30 pm	150	113	75%	37	25%
Police lot	Fri. 6:00 pm	75	58	77%	17	23%
Daily fee	Tues. 2:30 pm	98	56	57%	42	43%
Village Vehicles	Fri. 6:00 pm	40	34	85%	6	15%
Fire Dept.	Wed. 2:30 pm	25	7	28%	18	72%
<b>TOTAL</b>	<b>-----</b>	<b>441</b>	<b>290</b>	<b>65.8%</b>	<b>151</b>	<b>34.2%</b>

The following is a summary of the findings:

- Peak Capacity at the Municipal Campus occurred on Thursday, November 17, at 2:30 pm when 248 spaces, 56% of the parking spaces were occupied with 193 spaces, 44% vacant.
- Meeting attendees for the week of November 14 to November 18, 2016 ranged from 20 attendees to 211 attendees at different times throughout the day.
- Maximum peak capacity taking a worst case scenario of different days and different hours, illustrated occupancy of 290 spaces, 65.8% occupied, with 151 spaces vacant, 34.2% vacant.
- Daily fee parking was not fully utilized no less than 42 spaces were available at any given time.
- Visitor parking on levels 2, 3, and Lot O had minimal usage during the day. However, Lot O was heavily utilized during early voting.
- Employee parking had a peak capacity at 2:30 pm on Friday, November 18, with 113 spaces occupied 75% and 37 vacant or 25%.
- The Police parking lot had a maximum capacity on Friday, November 18, at 6:00 pm with 58 spaces occupied or 77%.

### 2016 Early Voting at Village Hall

Early voting at Village Hall was also observed during early November 2016. The following general observations and facts can be provided:

- A total of 15,173 early voters parked at Village Hall over a two week period.
- On November 17, 2016 1,604 early voters took place in one day.
- Parking Lot O and first floor visitor parking were heavily utilized.
- Current parking needs were accommodated

In comparison, the 2014 gubernatorial election resulted in 7,740 early voters and the 2015 consolidated election saw 1,533 early voters. The periodic two week activity has the biggest impact upon the Municipal Campus parking and traffic and was accommodated.

## Conclusion

As a result of these extensive parking counts and the redevelopment of the Police Station resulting in a loss of only 7 parking spaces, it is concluded that the proposed parking supply of 434 parking spaces is sufficient for the Municipal Campus. In addition, the Village has several long term options that could be considered in the event additional parking is needed. These include the following:

- Eliminate unused daily fee spaces that are currently not utilized based upon the recent parking counts.
- Add additional parking to the Municipal Campus at the northwest corner of the property.
- Shift the daily fee parking from the Municipal Campus to other parking garages.

It is not envisioned that these options would be necessary at this time, and the surveys conclude that 434 spaces are sufficient for the Municipal Campus parking needs.

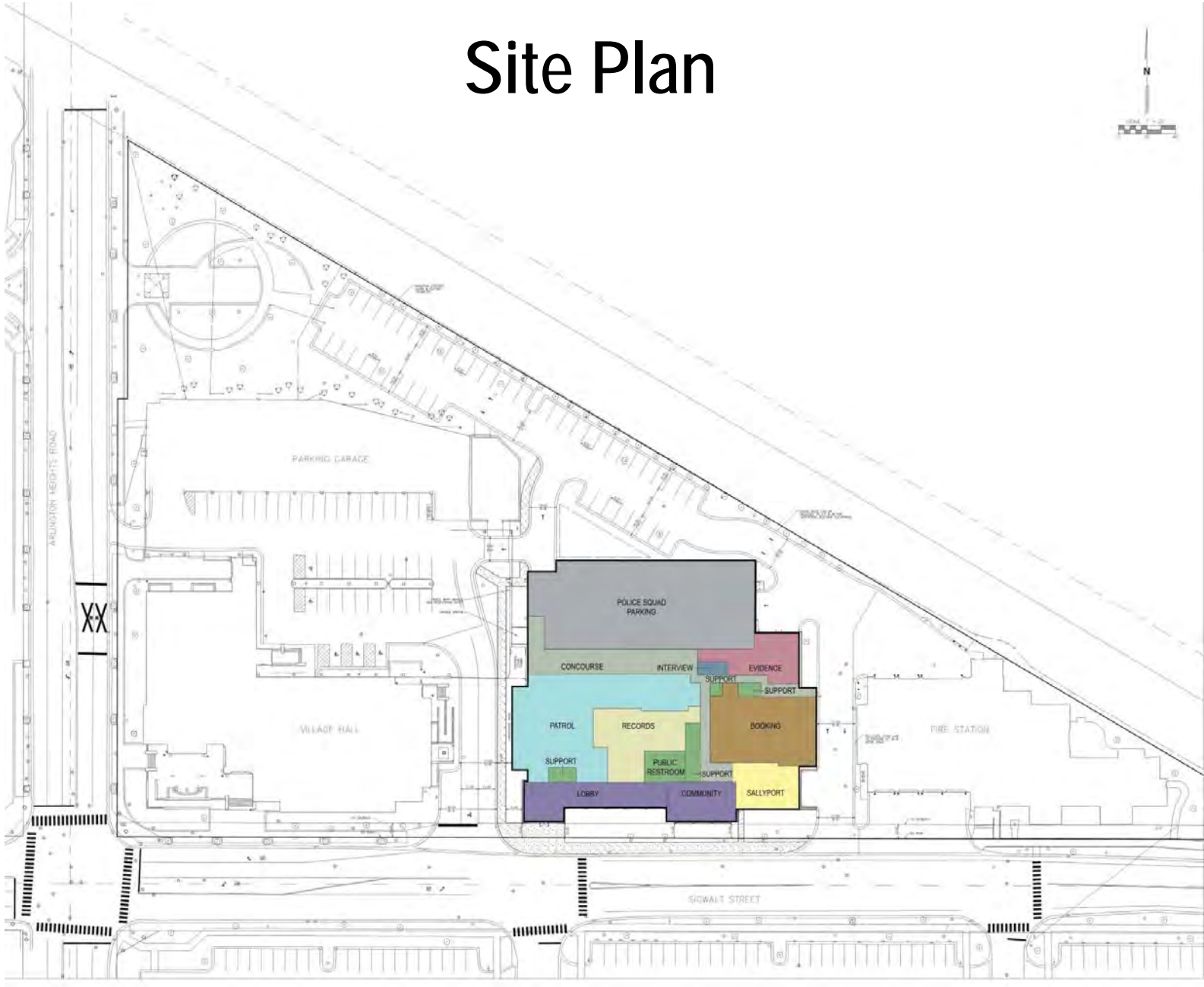
- Attachments:
1. Site & Surrounding Properties
  2. Site Plan
  3. Driveway Plans
  4. Engineering Department Traffic Counts November 17-23, 2016
  5. Parking Count Survey 2014
  6. Parking Count Survey 2016
  7. Meeting attendees week of November 14-19, 2016
  8. Parking Count Survey 2009
  9. Parking Count Survey 2005
  10. Arlington Heights Road Historical Traffic Counts

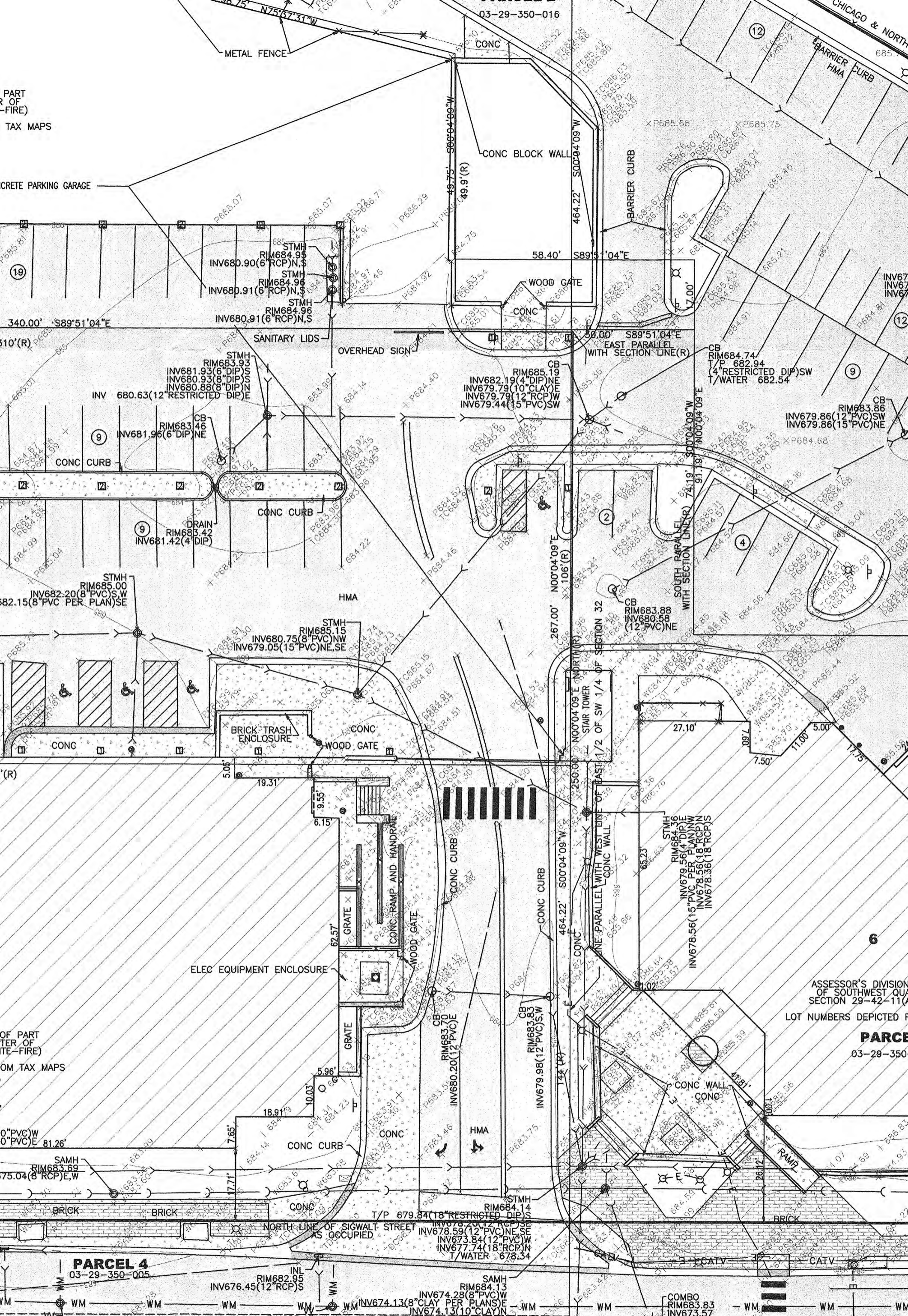


# Site and Surrounding Properties



# Site Plan





PART  
R OF  
-FIRE)  
TAX MAPS

CRETE PARKING GARAGE

340.00' S89°51'04"E

310'(R)

CONC CURB

STMH RIM685.00  
INV682.20(8" PVC)S.W  
INV682.15(8" PVC PER PLAN)SE

(R)

OF PART  
TER OF  
ITE-FIRE)  
OM TAX MAPS

0" PVC)W  
0" PVC)E 81.26'

SAMH RIM683.69  
INV675.04(8" RCP)E,W

BRICK BRICK

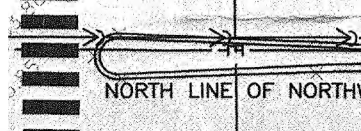
**PARCEL 4**  
03-29-350-005

INL RIM682.95  
INV676.45(12" RCP)S

SAMH RIM684.13  
INV674.28(8" PVC)W  
INV674.13(8" CLAY PER PLAN)E  
INV674.13(10" CLAY)N

COMBO RIM683.83  
INV673.57

**EXISTING DRIVEWAY ALIGNMENT**



NORTH LINE OF NORTH

ASSESSOR'S DIVISION  
OF SOUTHWEST QU  
SECTION 29-42-11(A)  
LOT NUMBERS DEPICTED F

**PARCE**  
03-29-350

6

9

12

12

CHICAGO & NORTH

BARRIER CURB

HMA

CONC

CONC BLOCK WALL

WOOD GATE

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CONC CURB

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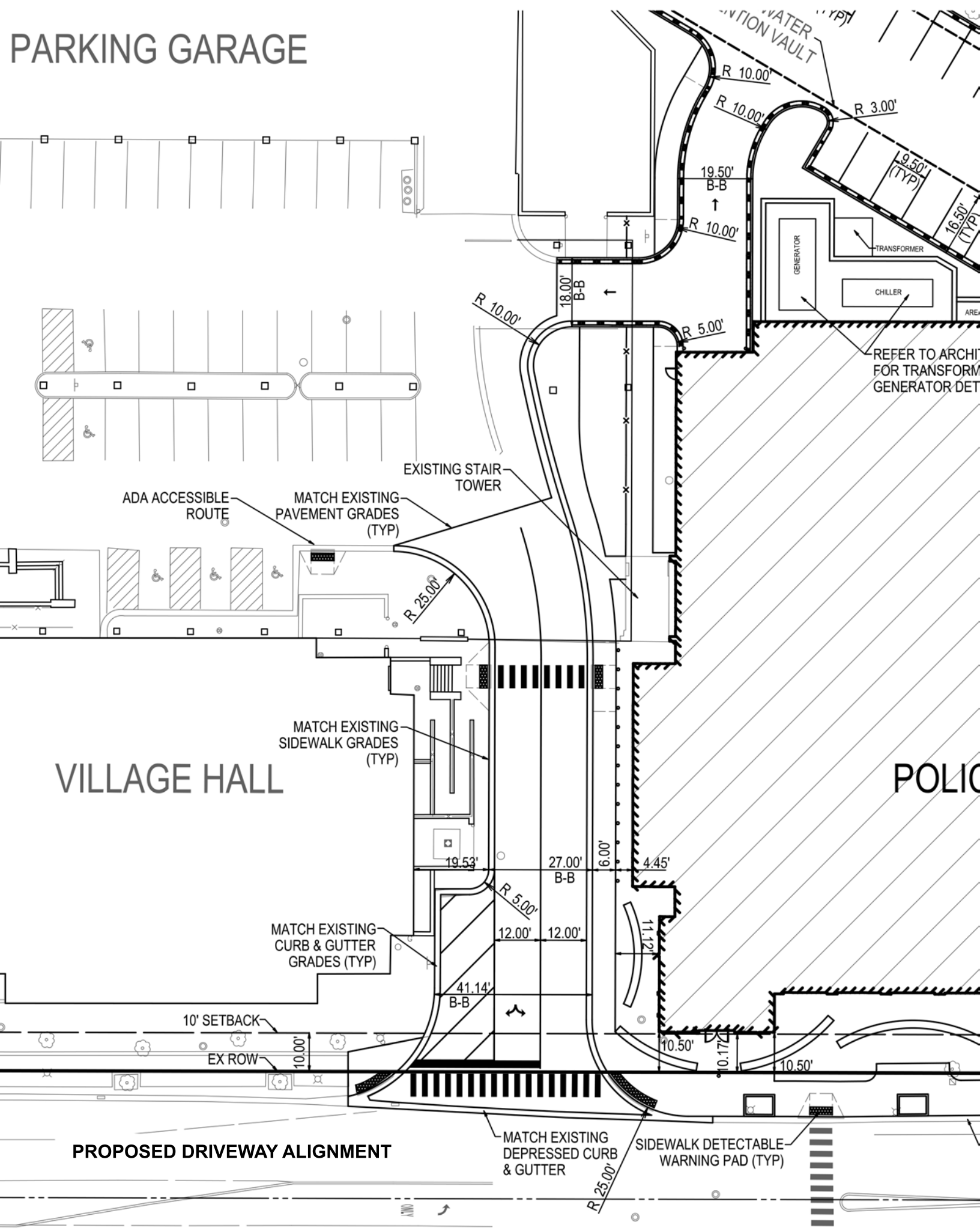
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# PARKING GARAGE



# VILLAGE HALL

# POLICE

## PROPOSED DRIVEWAY ALIGNMENT

ADA ACCESSIBLE ROUTE

MATCH EXISTING PAVEMENT GRADES (TYP)

EXISTING STAIR TOWER

MATCH EXISTING SIDEWALK GRADES (TYP)

MATCH EXISTING CURB & GUTTER GRADES (TYP)

10' SETBACK

EX ROW

MATCH EXISTING DEPRESSED CURB & GUTTER

SIDEWALK DETECTABLE WARNING PAD (TYP)

WATER DISTRIBUTION VAULT

GENERATOR

TRANSFORMER

CHILLER

REFER TO ARCHITECT FOR TRANSFORMER AND GENERATOR DETAILS



# Village of Arlington Heights

Engineering Department  
847-368-5260  
Traffic Volume Survey

**Datasets:** Traffic Study for New Police Building - 2016  
**Site:** [VAH\_GarageEntrance] Entrance between VAH and Police #260  
**Direction:** 5 - South bound A>B, North bound B>A. Lane: 0  
**File:** VAH\_GarageEntrance23Nov2016.EC0 (Plus)  
**Identifier:** EA442K9Z MC56-L5 [MC55] (c)Microcom 19Oct04  
**Data type:** Axle sensors - Paired (Class/Speed/Count)

**Profile:**  
**Filter time:** 9:00 Thursday, November 17, 2016 => 11:29 Wednesday, November 23, 2016

**Column Legend:**

0 [Time] Locale time  
 1 [Total] Number in time step  
 2 [Total] Number in time step (AB)  
 3 [Total] Number in time step (BA)

**\* Thursday, November 17, 2016**

Time	Total	Total South	Total North
9:00 AM	0	0	0
10:00 AM	0	0	0
11:00 AM	0	0	0
12:00 PM	0	0	0
1:00 PM	0	0	0
2:00 PM	0	0	0
3:00 PM	48	21	27
4:00 PM	77	46	31
5:00 PM	46	33	13
6:00 PM	55	25	30
7:00 PM	25	11	14
8:00 PM	27	17	10
9:00 PM	13	1	12
10:00 PM	31	15	16
11:00 PM	10	7	3
07-19	226	125	101
06-22	291	154	137
06-00	332	176	156
00-00	332	176	156

Peak step 16:00 (77) PM Peak step 16:00 (77)

**\* Friday, November 18, 2016**

Time	Total	Total	
		South	North
12:00 AM	12	6	6
1:00 AM	5	2	3
2:00 AM	11	4	7
3:00 AM	4	1	3
4:00 AM	1	0	1
5:00 AM	5	0	5
6:00 AM	37	4	33
7:00 AM	68	10	58
8:00 AM	53	15	38
9:00 AM	68	22	46
10:00 AM	69	24	45
11:00 AM	83	39	44
12:00 PM	70	36	34
1:00 PM	73	32	41
2:00 PM	93	29	64
3:00 PM	68	32	36
4:00 PM	67	44	23
5:00 PM	40	25	15
6:00 PM	32	20	12
7:00 PM	27	10	17
8:00 PM	22	8	14
9:00 PM	9	2	7
10:00 PM	29	11	18
11:00 PM	12	6	6
<b>07-19</b>	<b>784</b>	<b>328</b>	<b>456</b>
<b>06-22</b>	<b>879</b>	<b>352</b>	<b>527</b>
<b>06-00</b>	<b>920</b>	<b>369</b>	<b>551</b>
<b>00-00</b>	<b>958</b>	<b>382</b>	<b>576</b>

Peak step 14:00 (93) AM Peak step 11:00 (83) PM Peak step 14:00 (93)

**\* Saturday, November 19, 2016**

Time	Total	Total	
		South	North
12:00 AM	9	6	3
1:00 AM	8	4	4
2:00 AM	13	4	9
3:00 AM	2	0	2
4:00 AM	6	3	3
5:00 AM	3	0	3
6:00 AM	24	8	16
7:00 AM	15	3	12
8:00 AM	13	4	9
9:00 AM	24	7	17
10:00 AM	20	9	11
11:00 AM	25	7	18
12:00 PM	24	10	14
1:00 PM	32	11	21
2:00 PM	43	14	29
3:00 PM	22	7	15
4:00 PM	10	4	6
5:00 PM	6	0	6
6:00 PM	16	4	12
7:00 PM	14	4	10
8:00 PM	14	6	8
9:00 PM	13	4	9
10:00 PM	25	8	17
11:00 PM	3	2	1
<b>07-19</b>	<b>250</b>	<b>80</b>	<b>170</b>
<b>06-22</b>	<b>315</b>	<b>102</b>	<b>213</b>
<b>06-00</b>	<b>343</b>	<b>112</b>	<b>231</b>
<b>00-00</b>	<b>384</b>	<b>129</b>	<b>255</b>

Peak step 14:00 (43) AM Peak step 11:00 (25) PM Peak step 14:00 (43)

**\* Sunday, November 20, 2016**

Time	Total	Total South	Total North
12:00 AM	6	2	4
1:00 AM	11	2	9
2:00 AM	13	5	8
3:00 AM	2	1	1
4:00 AM	6	0	6
5:00 AM	7	2	5
6:00 AM	19	6	13
7:00 AM	9	5	4
8:00 AM	8	1	7
9:00 AM	6	1	5
10:00 AM	13	4	9
11:00 AM	12	4	8
12:00 PM	11	4	7
1:00 PM	10	3	7
2:00 PM	27	5	22
3:00 PM	23	13	10
4:00 PM	10	2	8
5:00 PM	11	0	11
6:00 PM	13	7	6
7:00 PM	13	6	7
8:00 PM	6	1	5
9:00 PM	9	1	8
10:00 PM	26	8	18
11:00 PM	3	1	2
<b>07-19</b>	<b>153</b>	<b>49</b>	<b>104</b>
<b>06-22</b>	<b>200</b>	<b>63</b>	<b>137</b>
<b>06-00</b>	<b>229</b>	<b>72</b>	<b>157</b>
<b>00-00</b>	<b>274</b>	<b>84</b>	<b>190</b>

Peak step 14:00 (27) AM Peak step 6:00 (19) PM Peak step 14:00 (27)

**\* Monday, November 21, 2016**

Time	Total	Total South	Total North
12:00 AM	3	1	2
1:00 AM	3	0	3
2:00 AM	4	2	2
3:00 AM	0	0	0
4:00 AM	0	0	0
5:00 AM	8	2	6
6:00 AM	58	14	44
7:00 AM	82	8	74
8:00 AM	63	21	42
9:00 AM	51	22	29
10:00 AM	58	21	37
11:00 AM	70	26	44
12:00 PM	64	24	40
1:00 PM	67	20	47
2:00 PM	91	28	63
3:00 PM	91	41	50
4:00 PM	72	36	36
5:00 PM	72	51	21
6:00 PM	32	14	18
7:00 PM	58	7	51
8:00 PM	25	16	9
9:00 PM	15	8	7
10:00 PM	44	26	18
11:00 PM	15	8	7
<b>07-19</b>	<b>813</b>	<b>312</b>	<b>501</b>
<b>06-22</b>	<b>969</b>	<b>357</b>	<b>612</b>
<b>06-00</b>	<b>1028</b>	<b>391</b>	<b>637</b>
<b>00-00</b>	<b>1046</b>	<b>396</b>	<b>650</b>

Peak step 14:00 (91) AM Peak step 7:00 (82) PM Peak step 14:00 (91)

**\* Tuesday, November 22, 2016**

Time	Total	Total	
		South	North
12:00 AM	8	1	7
1:00 AM	1	1	0
2:00 AM	3	2	1
3:00 AM	3	1	2
4:00 AM	5	2	3
5:00 AM	13	3	10
6:00 AM	47	10	37
7:00 AM	68	6	62
8:00 AM	59	15	44
9:00 AM	54	23	31
10:00 AM	67	30	37
11:00 AM	70	32	38
12:00 PM	77	25	52
1:00 PM	90	29	61
2:00 PM	89	31	58
3:00 PM	83	38	45
4:00 PM	48	32	16
5:00 PM	43	34	9
6:00 PM	32	22	10
7:00 PM	13	6	7
8:00 PM	15	4	11
9:00 PM	15	4	11
10:00 PM	27	9	18
11:00 PM	9	6	3
<b>07-19</b>	<b>780</b>	<b>317</b>	<b>463</b>
<b>06-22</b>	<b>870</b>	<b>341</b>	<b>529</b>
<b>06-00</b>	<b>906</b>	<b>356</b>	<b>550</b>
<b>00-00</b>	<b>939</b>	<b>366</b>	<b>573</b>

Peak step 13:00 (90) AM Peak step 11:00 (70) PM Peak step 13:00 (90)

**\* Wednesday, November 23, 2016**

Time	Total	Total	
		South	North
12:00 AM	9	3	6
1:00 AM	2	0	2
2:00 AM	2	1	1
3:00 AM	3	1	2
4:00 AM	10	2	8
5:00 AM	9	2	7
6:00 AM	39	7	32
7:00 AM	56	6	50
8:00 AM	65	25	40
9:00 AM	55	25	30
10:00 AM	58	18	40
11:00 AM	27	12	15
<b>07-19</b>	<b>261</b>	<b>86</b>	<b>175</b>
<b>06-22</b>	<b>300</b>	<b>93</b>	<b>207</b>
<b>06-00</b>	<b>300</b>	<b>93</b>	<b>207</b>
<b>00-00</b>	<b>335</b>	<b>102</b>	<b>233</b>

Peak step 8:00 (65) AM Peak step 8:00 (65)

**\* Grand Total**

Time	Total	Total	Total
		South	North
--	4268	1635	2633

In profile: Vehicles = 4268 / 4301 (99.23%)



## MUNICIPAL CAMPUS PARKING SPACE SURVEY

### Available Vacant Parking Spaces

Date	Day of Week	Time	Municipal Garage							Police Lot Entire Lot	Lot 'O' Arl Hts & Sigwalt		Employee Parking Directly Across from PD	Employee Parking Directly Across from FD	Total Vacancies All Lots Combined
			Visitor Ground Level	Visitor Level 2	Visitor Level 3	Village Vehicle Ground Level	Village Vehicle Level 2	Daily Fee Both Ramps	Employee Parking Level 2 & 3		Daily Fee	Visitor			
<b>TOTAL NUMBER OF SPACES =</b>			<b>32</b>	<b>6</b>	<b>6</b>	<b>28</b>	<b>12</b>	<b>66</b>	<b>121</b>	<b>75</b>	<b>32</b>	<b>9</b>	<b>29</b>	<b>25</b>	
11/14/14	Fri *	9:30 AM	32	4	6	8	4	46	39	28	18	8	10	19	222
		2:30 PM	24	6	6	8	2	39	55	30	10	9	11	12	212
		6:00 PM	29	6	6	8	2	51	109	29	19	7	23	20	309
11/18/14	Tues	9:30 AM	27	6	5	4	4	35	45	30	19	8	8	22	213
		2:30 PM	24	4	6	7	6	29	38	27	9	9	5	22	186
		6:00 PM	7	6	6	9	2	44	90	19	25	6	19	22	255
11/19/14	Weds	9:30 AM	17	4	6	4	3	34	12	33	21	9	8	20	171
		<b>2:30 PM</b>	<b>14</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>30</b>	<b>7</b>	<b>27</b>	<b>19</b>	<b>6</b>	<b>10</b>	<b>18</b>	<b>149</b>
		6:00 PM	25	6	6	6	2	46	105	27	24	9	19	22	297

\* Friday 11/14/14 = Village Employee Flex Day

**11/14 - Cook County Housing - 9am- 17 attendees**

**11/18 - Fire and Police Academy Commission - 6pm - 6 attendees**

11/18 - Citizens Police Academy Graduation -7pm - 30-40 attendees

11/18 - Wingate Condos - 7pm - 20 attendees

**11/19 - Lutheran General Hospital - 9am to 4pm - 30-35 attendees**

11/19 - Chicago Amputee Group - 7pm - 10 attendees

11/19 - Arlington Cares - 7:30pm - 10 attendees

Arelington Economic Alliance - 7:30 am - meeting cancelled - normally 9 - 12 attendees

**MUNICIPAL CAMPUS PARKING SPACE SURVEY**  
**Available Vacant Parking Spaces**

Date	Day of Week	Time	Municipal Garage							Police Lot Entire Lot	Lot 'O' Arl Hts & Sigwalt		Employee Parking Directly Across from PD	Employee Parking Directly Across from FD	Total Vacancies All Lots Combined
			Visitor Ground Level	Visitor Level 2	Visitor Level 3	Village Vehicle Ground Level	Village Vehicle Level 2	Daily Fee Both Ramps	Employee Parking Level 2 & 3		Daily Fee	Visitor			
<b>TOTAL NUMBER OF SPACES =</b>			<b>32</b>	<b>6</b>	<b>6</b>	<b>28</b>	<b>12</b>	<b>66</b>	<b>121</b>	<b>75</b>	<b>32</b>	<b>9</b>	<b>29</b>	<b>25</b>	
11/14/16	Mon	9:30 AM	29	6	6	8	8	36	42	31	22	8	10	22	228
		2:30 PM	22	6	6	10	6	33	44	25	21	9	5	23	210
		6:00 PM	12	4	6	9	0	46	102	32	22	9	20	23	285
11/15/16	Tues	9:30 AM	21	6	6	7	9	35	39	29	22	7	5	21	207
		2:30 PM	27	6	6	9	7	24	43	28	18	8	0	22	198
		6:00 PM	No	Survey											
11/16/16	Weds	9:30 AM	23	6	6	8	7	32	43	27	23	6	4	19	204
		2:30 PM	26	6	6	10	8	27	38	30	20	7	1	18	197
		6:00 PM	26	5	2	8	1	47	107	27	26	6	20	20	295
11/17/16	Thurs	9:30 AM	24	5	5	5	8	41	42	30	15	9	3	22	209
		<b>2:30 PM</b>	<b>15</b>	<b>4</b>	<b>6</b>	<b>17</b>	<b>4</b>	<b>42</b>	<b>41</b>	<b>26</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>20</b>	<b>193</b>
		6:00 PM	29	6	6	8	1	49	107	22	20	9	23	20	300
11/18/16	Fri*	9:30 AM	26	5	5	8	10	40	42	36	25	9	8	20	234
		2:30 PM	24	4	4	5	8	46	32	24	27	7	5	21	207
		6:00 PM	29	6	6	5	1	59	110	17	24	8	15	23	303

\* Friday 11/18/16 = Village Employee Flex Day

Meeting Attendees for the Week of November 14 – November 19, 2016

**Monday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Executive Network Group	7:30 AM	10	Weekly
Police Interviews	12 PM	12	Infrequent
Liquor Hearings	4 PM	15	Infrequent
COW Meeting	7 PM	40	3 x Monthly
ZBA	7 PM	12	Monthly
Immunization Clinic	5 PM	60	Monthly
Elite Soccer	7 PM	12	Monthly
<b>TOTAL</b>		<b>161</b>	

**Tuesday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Administrative Hearings	9 AM	10	Special Meeting
Police Interviews	1 PM	12	Infrequent
Metropolis Board	5:30 PM	12	Monthly
Design Commission	6:30 PM	12	Monthly
Windgate Condos	7 PM	12	Monthly
Disabilities Commission	7 PM	12	Monthly
Citizens Police Academy Grad	7 PM	70	Annually
<b>TOTAL</b>		<b>140</b>	

**Wednesday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Arl. Economic Alliance	7:30 AM	14	Monthly
Hines VA Hospital	8 AM	40	Annually
COW Meeting	7 PM	40	Special Meeting
Chgo Amputee Support	7 PM	15	2 x monthly
Arlington Cares	7:30 PM	10	Monthly
<b>TOTAL</b>		<b>119</b>	

**Thursday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Benefits Fair	8 AM	100	Annually
Hines Hospital	8 AM	40	Annually
Police Interviews	2 PM	4	Infrequent
Florida Keys Group	7 PM	40	Annually
Book Club	7 PM	15	Monthly
NW Suburban Genealogy	7 PM	12	Monthly
<b>TOTAL</b>		<b>211</b>	

**Friday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Executive Network Group	8 AM	10	Weekly
Deposition	10:30 AM	6	Infrequent
Police Interviews	3 PM	4	Infrequent
<b>TOTAL</b>		<b>20</b>	

**Saturday**

<b>Meeting Group</b>	<b>Time</b>	<b># of Attendees</b>	<b>Frequency</b>
Administrative Hearings	9 AM	15	Monthly
<b>TOTAL</b>		<b>15</b>	

2009 PARKING COUNT SURVEY

	Friday December 4 @ 8:30 AM			Friday December 4 @ 2:00 PM			Friday December 4 @ 4:00 PM		
	Total	Occupied	%	Total	Occupied	%	Total	Occupied	%
<b>Municipal Garage Level 1</b>									
Municipal Vehicles	29	22	76%	29	18	62%	29	23	79%
30 Minute	28	5	17%	28	10	36%	28	8	29%
Disabled	6	1	16%	6	0	0%	6	1	17%
Total	63	28	44%	63	28	44%	63	32	51%
<b>Municipal Garage Level 2</b>									
Municipal Vehicle	12	8	67%	12	8	67%	12	11	92%
Employee	53	53	100%	53	50	94%	53	31	58%
Daily Pay	33	24	73%	33	27	82%	33	26	79%
30 Minute	6	0	0%	6	0	0%	6	0	0%
Total	104	85	82%	104	85	82%	104	68	65%
<b>Municipal Garage Level 3</b>									
Employee	101	22	22%	101	29	29%	101	24	24%
30 Minute	6	0	0%	6	0	0%	6	0	0%
Total	107	22	21%	107	29	27%	107	24	22%
<b>Sigwalt Parking Lot-East</b>									
Municipal Vehicle	25	7	28%	25	8	32%	25	8	32%
<b>Sigwalt Parking Lot-Central</b>									
Municipal Vehicle	29	23	79%	29	24	83%	29	16	55%
<b>Sigwalt Parking Lot-West</b>									
Daily Pay	32	2	6%	32	4	13%	32	4	13%
30 Minute	9	0	0%	9	0	0%	9	0	0%
Total	41	2	5%	41	4	10%	41	4	10%
<b>Police Lot</b>									
Municipal Vehicles	84	48	57%	84	62	74%	84	51	61%

	Monday December 7 @ 8:30 AM			Monday December 7 @ 2:00 PM			Monday December 7 @ 4:00 PM		
	Total	Occupied	%	Total	Occupied	%	Total	Occupied	%
<b>Municipal Garage Level 1</b>									
Municipal Vehicles	29	21	72%	29	20	69%	29	26	90%
30 Minute	28	5	18%	28	8	29%	28	20	71%
Disabled	6	1	17%	6	1	17%	6	0	0%
<b>Total</b>	<b>63</b>	<b>27</b>	<b>43%</b>	<b>63</b>	<b>29</b>	<b>46%</b>	<b>63</b>	<b>46</b>	<b>73%</b>
<b>Municipal Garage Level 2</b>									
Municipal Vehicle	12	11	92%	12	10	83%	12	11	92%
Employee	53	53	100%	53	53	100%	53	30	57%
Daily Pay	33	33	100%	33	32	97%	33	31	94%
30 Minute	6	0	0%	6	0	0%	6	1	17%
<b>Total</b>	<b>104</b>	<b>97</b>	<b>93%</b>	<b>104</b>	<b>95</b>	<b>91%</b>	<b>104</b>	<b>73</b>	<b>70%</b>
<b>Municipal Garage Level 3</b>									
Employee	101	32	32%	101	29	29%	101	36	36%
30 Minute	6	0	0%	6	0	0%	6	0	0%
<b>Total</b>	<b>107</b>	<b>32</b>	<b>30%</b>	<b>107</b>	<b>29</b>	<b>27%</b>	<b>107</b>	<b>36</b>	<b>34%</b>
<b>Sigwalt Parking Lot-East</b>									
Municipal Vehicle	25	8	32%	25	10	40%	25	7	28%
<b>Sigwalt Parking Lot-Central</b>									
Municipal Vehicle	29	19	66%	29	21	72%	29	15	52%
<b>Sigwalt Parking Lot-West</b>									
Daily Pay	32	3	9%	32	6	19%	32	7	22%
30 Minute	9	0	0%	9	0	0%	9	0	0%
<b>Total</b>	<b>41</b>	<b>3</b>	<b>7%</b>	<b>41</b>	<b>6</b>	<b>15%</b>	<b>41</b>	<b>7</b>	<b>17%</b>
<b>Police Lot</b>									
Municipal Vehicles	84	51	61%	84	47	56%	84	51	61%

	Wednesday December 9 @ 8:30 AM			Wednesday December 9 @ 2:00 PM			Wednesday December 9 @ 4:00 PM		
	Total	Occupied	%	Total	Occupied	%	Total	Occupied	%
<b>Municipal Garage Level 1</b>									
Municipal Vehicles	29	22	76%	29	20	69%	29	21	72%
30 Minute	28	8	29%	28	15	54%	28	11	39%
Disabled	6	2	33%	6	3	50%	6	1	17%
Total	63	32	51%	63	38	60%	63	33	52%
<b>Municipal Garage Level 2</b>									
Municipal Vehicle	12	12	100%	12	8	67%	12	10	83%
Employee	53	53	100%	53	53	100%	53	37	70%
Daily Pay	33	33	100%	33	31	94%	33	33	100%
30 Minute	6	2	33%	6	0	0%	6	1	17%
Total	104	100	96%	104	92	88%	104	81	78%
<b>Municipal Garage Level 3</b>									
Employee	101	33	33%	101	32	32%	101	31	31%
30 Minute	6	1	17%	6	5	83%	6	1	17%
Total	107	34	32%	107	37	37%	107	32	30%
<b>Sigwalt Parking Lot-East</b>									
Municipal Vehicle	25	9	36%	25	9	36%	25	7	28%
<b>Sigwalt Parking Lot-Central</b>									
Municipal Vehicle	29	14	48%	29	16	55%	29	13	45%
<b>Sigwalt Parking Lot-West</b>									
Daily Pay	32	2	6%	32	5	16%	32	6	19%
30 Minute	9	0	0%	9	1	11%	9	0	0%
Total	41	2	5%	41	6	15%	41	6	15%
<b>Police Lot</b>									
Municipal Vehicles	84	43	51%	84	44	52%	84	45	54%

**Exhibit 4b**  
**Parking Observations**  
*Village of Arlington Heights - Municipal Campus Expansion*  
*Arlington Heights, Illinois*

**A. Parking Lot Descriptions**

2005 PARKING COUNT SURVEY

- Lot 1= SE corner of Arlington Heights and Sigwalt
- Lot 2= East of Pine, West of Belmont on South Side of Sigwalt
- Lot 3= East of Belmont, South Side of Sigwalt
- Lot 4 = Parking Structure
- Lot 5 = Old Lumber Yard and Police lot at rear of building
- Lot 6 = East of Municipal building, North side of Sigwalt

**B. Parking Lot Occupancy**

Date	Time	Capacity	Lot 1	Lot 2	Lot 3	Lot 4	Lot 5	Lot 6	Total	Percent
		Number of occupied spaces								Occupied
		41	41	29	25	290	37	63	485	
3/14	4:00 PM		35	20	2	124	35	55	271	56%
3/14	6:00 PM		10	8	1	78	32	10	139	29%
3/15	7:00 AM		8	3	0	84	13	41	149	31%
3/15	9:00 AM		38	24	2	151	27	55	297	61%
3/15	4:00 PM		35	28	0	156	28	42	289	60%
3/15	6:00 PM		6	4	0	96	28	15	149	31%
3/16	7:00 AM		5	1	2	91	37	37	173	36%
3/16	9:00 AM		40	25	3	146	28	53	295	61%
3/16	4:00 PM		37	27	7	146	29	55	301	62%
3/16	6:00 PM		9	8	7	84	35	11	154	32%



# Arlington Heights Road Historical Traffic Counts – IDOT

