



**VILLAGE OF BARTLETT
PLAN COMMISSION
AGENDA**

**BARTLETT MUNICIPAL CENTER
228 MAIN STREET
August 11, 2016**

7:00 P.M.

- I. Roll Call
- II. Approval of June 9, 2016 minutes & July 14, 2016 minutes
- III. (#16-13) BAPS Phase 4
Final PUD Plan
- IV. (#16-05) Ashton Gardens
Preliminary/Final PUD Plan and Special Uses:
(a) Planned Unit Development (PUD),
(b) Banquet Facility (Public Assembly),
(c) The Serving of Liquor and
(d) Building Height
PUBLIC HEARING
- V. Old Business/New Business
- VI. Adjournment



COMMUNITY DEVELOPMENT MEMORANDUM

16-149

DATE: August 1, 2016
TO: The Chairman and Members of the Plan Commission
FROM: Roberta B. Grill, Assistant Com Dev Director *RBG*
RE: **(#15-13) BAPS**

PETITIONER

BAPS Chicago, LLC

SUBJECT SITES

1851 S. Route 59 (Pramukh Swami Road)

REQUESTS

Final PUD Plan for Phase 4

SURROUNDING LAND USES

	<u>Land Use</u>	<u>Comprehensive Plan</u>	<u>Zoning</u>
Subject Site	Religious	Municipal/Institutional	ER-1 PUD
North	Single Family, Vacant	Mixed Use Business Park	B-3 PUD, R-3*
South	Residential	Estate Residential	R-2*
East	Residential	Estate Residential	R-2*
West	Residential/	N/A (Wayne)/	W-2** W-4**

* DuPage County
**Village of Wayne

DISCUSSION

1. The 38 acre BAPS property was annexed to the Village and rezoned in September of 2012 by Ordinances #2012-70, 71 & 72. Phases 1, 2 & 3A were approved as part of a Preliminary/Final PUD Plan that included the existing buildings and an expanded parking area. Phases 4, 5 and 6 were approved as part of the PUD in Concept and identified on the Phasing Plan for the future development of the BAPS property (see attached Concept and Phasing Plans).

2. The Petitioner is now requesting a Final PUD Plan review for Phase 4 which would include the construction of a Family Activity Center. This building, located north of the Temple, would mirror the exterior appearance, size, height and footprint of the existing Cultural Center located south of the Temple. Per the Building Elevations, the overall height would be 53'4" (below the maximum height of 71'9" of the Temple) and the size of the building would be approximately 100,000 sq. ft. (110,020 sq. ft. including storage areas in the lower level).
3. The Family Activity Center would consist of an indoor gymnasium, including a track and basketball court, boys' and girls' classrooms, a lounge, play area, youth workshop, exhibit display area, along with a number of offices and substantial storage space. A specialty kitchen and food prep area along with the Nilkanthvarni (small prayer area) would be moved from the Cultural Center to the lower level of the Youth Activity Center to free up space in the Cultural Center's lower level.
4. Phase 3B has been completed and consisted of the BAPS property connecting to the Village's water and sewer systems. These connections included both on-site and off-site improvements outlined in the Annexation Agreement.
5. Phase 3A is the last phase of parking on the BAPS (Mandir) Site and would include an additional 96 parking spaces. These spaces have not been completed due to this being the former septic field area. As required in the Annexation Agreement, this phase would need to be completed prior to the occupancy of the Phase 4 building and the Petitioner has agreed to this requirement.
6. As stated in the Annexation Agreement, a Traffic Study would need to accompany the Phase 4 application to verify that the parking needs on this property would be satisfied. A Traffic Study prepared by Gewalt Hamilton Associates, Inc. (GHA) has been submitted for the Staff to review (see attached) and the Village's Traffic Consultant, Brent Coulter with Coulter Transportation Consulting, LLC (Coulter) has reviewed and commented on the study (see attached comments).
7. In summary, GHA states "the proposed expansion is not anticipated to be a significant generator of new site traffic, but would serve the current site uses and demand. The new facility will provide extra space for the overcrowded girls' classrooms, the boys instruction, which is taking place in the priest's residences and the dining area which is currently too small to accommodate the Sunday activities. ***The Family Activity Center will allow for the current spaces in the Cultural Center to be utilized for their original intended uses.***"
8. The Petitioner has stated minimal activity will occur in the Family Activity Center during the week and the primary use of the building will take place on Sundays when all of the facilities are being utilized simultaneously by existing guests/worshippers.

9. Below is a summary of the parking spaces provided on the site and those required in strict accordance with the Zoning Ordinance.

Parking Summary

	Parking Provided	Parking Required
Phases 1 & 2	725*	745
Phase 3A	96	
Phase 4 (Per Zoning Ord)	0	410
	Total = 821	Total = 1155
		DEFICIT = 334 spaces (1155 - 821 = 334)

(*Modification granted for a reduction in parking (20 spaces) by Ord. #2012-72)

10. As part of the PUD, the Petitioner would be requesting a modification to reduce the required number of parking spaces. The above chart identifies a deficit of 334 parking spaces due to the Zoning Ordinance requiring 410 additional parking spaces for the new building and its uses. However, once the 96 parking spaces are constructed as part of Phase 3A; the parking on site will total 821 spaces. These additional spaces will provide for an increase in available parking of approximately **29% above the current peak demand of 637 vehicles. Future peak parking in the year 2020 will be 757 parking spaces, still below the 821 provided.** According to GHA, **“the proposed on-site parking supply will accommodate the peak parking demand on-site for approximately 7 years.”**

With the historical demand in membership growth at 3.5% annually, the 821 spaces should accommodate the peak on-site parking for this time period. The Village's Consultant (Coulter) concurs with the majority of GHA's findings and agrees that “the Petitioner makes a strong argument that parking demand may in some instances be double counted and some adjustment of the aggregate parking required by the strict parking requirements outlined in the Zoning Ordinance is appropriate.”

11. **Staff concurs with Coulter's comments and believes that the Family Activity Center will primarily be double counting those currently attending Sunday Services and that the strict interpretation of the Zoning Ordinance provides a hardship for the Petitioner.** The Village's Consultant also states, that it may be important to look at providing an additional parking supply in 3 to 4 years rather than 7 and conditions for future parking on Phase 5 may need to be reviewed sooner so that future demand for parking can be met in a timely manner.
12. As in the past, during special events/festivals, overflow parking was available on the future Yogi Plaza Site and arrangements were made with St. Andrews Golf Course, Resurrection Church and Bartlett High School that provided additional parking with groups being bussed to the Mandir Site during these infrequent peak times.

13. There is one existing curb cut along Rt. 59 for ingress and egress to the Temple Property. However, when the future commercial phases are developed, additional curb cuts may be provided along Army Trail Road providing additional access to both the Future Yogi Plaza and the BAPS Mandir Site.
14. Landscaping and Lighting Plans have been reviewed and approved by the Staff.

RECOMMENDATION

1. The Staff recommends **approval** of the Petitioner's request for a Final PUD Plan for Phase 4 subject to the following conditions and findings of fact:
 - a. Village Engineer's approval of the Final Engineering Plans;
 - b. Completion of the 96 parking spaces within Phase 3A prior to the issuance of an occupancy permit for Phase 4;
 - c. The landscaping of the Property shall be provided, planted, completed and maintained in accordance with the Landscape Plan;
 - d. Landscaping for Phase 4 shall be installed within one year from the issuance of an occupancy permit;
 - e. The Village will continue to monitor the parking demand on the BAPS Property (Phases 1, 2, 3A and 4) once Phase 4 has been completed. The Village may require the Petitioner to construct additional parking (on the Yogi Plaza Site – Phase 5) prior to the year 2023 (when peak parking demand may exceed the parking supply on-site) and/or when the parking demand reaches 97% capacity (796 spaces utilized); and
 - f. Findings of Fact (Final PUD Plan)
 - i. The Family Activity Center (Phase 4) is in conformance with the Comprehensive Plan and the Future Land Use Plan of the Village which identifies religious institutional uses for the Property, and conforms to the general planning policies and precedents of the Village;
 - ii. The Family Activity Center is a permitted use in the ER-1 PUD (Estate Residence) Zoning District;
 - iii. The Family Activity Center is designed, located and proposed to be operated and maintained so that the public health, safety and welfare will not be endangered or detrimentally affected;
 - iv. The Family Activity Center shall not substantially lessen or impede the suitability for uses and development of, or be injurious to the use and enjoyment of, or substantially diminish or impair the value of, or be incompatible with, other property in the immediate vicinity;
 - v. The Family Activity Center shall not be required to make donations in accordance with the Village's Donation Ordinance;
 - vi. Adequate utilities and drainage shall be provided for this use;
 - vii. Adequate parking and ingress and egress will be provided for this use so as to minimize traffic congestion and hazards in public streets;

- viii. Adequate buffering and landscaping shall be provided to protect uses within the development and on surrounding properties. There shall be a sufficient mixture of grass, trees and shrubs on the site so that the proposed development will be in harmony with adjacent land uses.
 - ix. There shall be reasonable assurance that, if authorized, this facility will be completed according to an appropriate schedule and adequately maintained.
2. The Final PUD Plan, Concept Plan, Phasing Plan, Traffic Study and the Village's Traffic Consultant's comments and additional background material is attached for your review.

rbg/attachments

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June 26, 2015

BY HAND DELIVERY

Village President Kevin Wallace
Members of the Board of Trustees
228 South Main Street
Bartlett, Illinois 60103

**Re: BAPS Chicago, LLC -- Request for Final PUD Plan Approval for
BAPS Mandir Phase 4**

Dear President Wallace and Members of the Board of Trustees:

Schiff Hardin LLP represents BAPS Chicago, LLC (“BAPS”), the current owner of a tract of land comprised of approximately 38.95± acres that is located on the east side of Illinois Route 59 near in intersection of Illinois Route 59 and Army Trail Road in an unincorporated area of DuPage County (the “Property”), which was annexed to the Village of Bartlett by Ordinance No. 2012-71, pursuant to an Annexation Agreement approved by Ordinance No. 2012-70, and zoned by Ordinance No. 2012-72.

Description of Overall Property

The Property consists of the following large tracts (each comprised of multiple lots of record):

1. Mandir Site: Approximately 29.954 acres of the land is presently occupied by the BAPS Mandir, an architecturally significant, beautiful Hindu Temple, and associated cultural center, a residence for the priests and another small residence used from time to time to house volunteers/priests (the “Mandir Site”). It also contains a stormwater detention basin that was constructed with excess capacity to serve both the current structures and the future proposed structures on the Mandir Site and the Yogi Plaza Site (described in paragraph 2 below), as well as off-site areas tributary to the existing facility (approximately 2.28 acre feet of excess storm water capacity is contained in this facility). The Mandir Site has approximately 700 feet of frontage along Illinois Route 59 and is located approximately 1,000 feet south of the intersection of Illinois Route 59 and Army Trail Road. All planned future improvements and uses for the Mandir Site are consistent with and an expansion of the presently permitted religious institutional uses on the site. The zoning district into which the Mandir Site has been zoned upon annexation was the

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ER-1 Estate Residence District, including a Special Use Permit for a Planned Unit Development (“PUD”). (See Section Three of Ordinance No. 2012-72) In addition, Section Six of Ordinance No. 2012-72 approved a Concept Plan for Phases 4 (for which final approval is now being sought in this Application), 5 and 6. Phase 4 is described below.

2. Yogi Plaza Site: Approximately 7.46 acres of the land (“Yogi Plaza Site”) is presently mostly vacant (portion designated for Phase 5), although one small portion of the land (designated for Phase 6) contains a residence that is used from time to time by BAPS to house volunteers/priests. The Yogi Plaza Site is on the south side of Army Trail Road, approximately 725 feet east of Illinois Route 59, and has approximately 600 feet of frontage on Army Trail Road, which makes the site well-suited for a retail shopping center use. Section Two of Ordinance No. 2012-72 rezoned the Yogi Plaza Site into the B-3 Neighborhood Shopping Zoning District, which BAPS intends to redevelop for a commercial shopping center. Section Six B of Ordinance No. 2012-72 approved a Concept Plan for Phases 5 and 6.

Specific Plan Approval and Parking Relief Requests

Specifically the request on behalf of BAPS is for the Village of Bartlett (the “Village”) to approve the Final PUD Plan for the Phase 4 development on the Mandir Site, and to grant it relief from the requirements of the Village’s Zoning Code to allow the construction of fewer parking spaces than are normally required. The following describes the items BAPS is requesting the Village Plan Commission and Board review and approve.

1. Phase 4 Final PUD: Phase 4 will consist of a fourth building on the Mandir Site (the “Family Activity Center”), which will be constructed to mirror the existing Cultural Center building that was previously completed in Phase 1 in footprint, height and architectural style and appearance, and will be located to the north of the Temple so that both the Cultural Center and the new Family Activity Center flank the Temple in an aesthetically harmonious way. The Family Activity Center will house such uses as a gymnasium, family life center/auditorium (multi-purpose room), and meeting/conference or class rooms, and a small amount of office spaces to house the staff involved in the programming for the Family Activity Center. It will not house any residences. Some of the activities presently housed in the existing Cultural Center (Haveli), including the existing auditorium, will be relocated to the Family Activity Center in order to utilize the existing Cultural Center more efficiently for visitors to the BAPS Property. Please refer to the architect’s rendering of the existing Cultural Center, Temple and proposed Family Activity Center for a perspective as to the appearance of the Project after completion of

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the Phase 4 Family Activity Center. The Phase 4 PUD Plan shows the location for the Family Activity Center, which is in the same area designated for this building on the previously approved Concept Plans.

2. Modification of PUD to Allow Phase 3A Parking and No Additional Spaces: Final plans for the parking portions of Phase 2 on the Mandir Site were approved at the time of the Annexation Agreement, and that portion of the parking lot and related improvements have been completed (presently there are a total of 725 spaces on the Mandir Site), including related landscaping and lighting plans, all of which was completed. In addition to these improvements, Phase 3B which consisted of the connection of the Property to the Village water and sewer systems and removal of the existing septic field and system that served the Mandir Site (formerly located under the area designated for the Phase 3A portions of the parking lot) have been completed. Construction of the 96 additional Phase 3A parking spaces will be coordinated with the construction of the Phase 4 Family Activity Center so that they are completed by that date (final engineering for these spaces was approved at the time the Phase 2 final engineering was completed). Upon completion of these additional 96 parking spaces, the Mandir Site will contain 821 spaces in total (see Phase 4 Final PUD Plan).

BAPS is seeking approval of the Final Phase 4 PUD with a total of 821 spaces rather than the number required under the Village's Zoning Code. Due to the unique nature of the proposed Family Activity Center, at this time, BAPS does not have the precise number of spaces the Village's Zoning Code requires. It is waiting for the Village staff to advise BAPS as to the number of spaces the Village's Zoning Code will require after the staff's preliminary review of the Application and Plans submitted. However, BAPS does not expect additional passenger cars needing to be parked will be generated by the additional Phase 4 Building, due to the fact that the programming is primarily for children who will arrive with their parents, and many of the activities are currently housed in other existing buildings.

Short Rationale for Approvals Requested

As will be demonstrated at the public hearings and meetings that will be scheduled to review BAPS requests, the requests will meet the various standards established by the Village's Zoning Ordinance, and will enhance the quality of commercial development and growth of the Village. Each of the standards to be met when the Village reviews a final PUD and a request for a modification of the type being requested here (required number of parking spaces). BAPS has provided a traffic study dated June 25, 2015 conducted by Gewalt Hamilton Associates, Inc. ("GWA") which demonstrates that, except during certain peak times, the 821

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spaces will be more than adequate to serve the needs of BAPS even after construction of the Family Activity Center. Even during the peak time periods noted in GWA's traffic study, the 821 spaces that will be provided on-site after the completion of the Phase 4 Building and the Phase 3A spaces, will exceed anticipated demand for more than 7 years. There is no certainty as to whether the growth that has occurred in the past, which GWA relied upon to draw its conclusion as to the capacity, will continue. During those few times where BAPS existing parking spaces are not sufficient (on weekends or legal holidays), BAPS has traditionally obtained the right to use additional parking from the nearby high school, golf course or churches, depending on the needs, and shuttle buses are provided by BAPS to bring people into and out of the Property.

The Mandir Site is large and heavily landscaped with front and side yards well in excess of those required under the Zoning Code – even exceeding those required for buildings that are the height of the Temple and the Cultural Center. The architecture is stunningly unique and draws many visitors from the Chicago metropolitan area and around the world. Approving the development of the Phase 4 Family Activity Center for the Property will complete the symmetry that was envisioned by BAPS for the Mandir Site (see concept elevation plan submitted) and the types of uses planned for the Family Activity Center will allow BAPS to provide for additional programming for its members and guests and enhance the health, safety, morals and general welfare of the Village. Taken together, the entire Project, including its existing and proposed Phase 4 Family Activity Center uses, is compatible with and consistent with the mix of residential and commercial uses in the vicinity.

The existing and proposed uses for the Mandir Site are also consistent with the Village's Comprehensive Plan, as well as the Preliminary PUD approved by the Village in 2012. The Mandir Site was designated by the Village in 2004 for Municipal/Institutional uses, and the existing and proposed future uses for the Mandir Site are institutional – a religious institution.

The Project will not in any way impede or injure the use of other properties in the area. The Mandir Site is already partially developed and the proposed future buildings and other projects are within the site itself and set back significant distances from the neighboring properties. Beautifully landscaped perimeters will be added adjacent to the additional parking spaces added as part of Phase 2 for the Mandir Site, and with the construction of the Phase 4 Family Activity Center, additional landscaping will be added to the Mandir Site (see Land scape Plan submitted). The location of the Property is appropriate for the current and planned uses, as it fronts on two major streets/highways near their intersection, but far enough away that the drives into the Property do not interfere with traffic on these roadways. The developments are also of a size and scale that they will not impair or injure the development or use of other nearby properties.



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BAPS has more than a decade-long track record of operating and maintaining the Mandir Site to the highest standards. Immaculate landscaping, beautiful and unique architecture and careful stewardship of the land and all of the other structures and improvements on the Property demonstrate the commitment BAPS has and will continue to focus on high-quality maintenance and care for the facilities on the Mandir Site.

Additional testimony and evidence addressing the standards to be met will be provided at the public hearings. Such testimony and evidence will demonstrate the existing and proposed development will fully comply with the Village's requirements.

Summary of Enclosures

Enclosed please find the Development Application signed on behalf of BAPS, along with the Development Application Packet Checklist that has been annotated as to the items included (or not included and the reasons why). BAPS looks forward to working with the staff and appointed and elected officials of the Village to obtain the approvals that are required for BAPS to take the next step to completing the development of the Mandir Site.

We would also appreciate it if you could initiate the Village procedures for processing the Development Application. Please let me know if you need additional information.

Very truly yours,

A handwritten signature in black ink that reads "Janet M. Johnson".

Janet M. Johnson

Enclosures

cc: Yagnesh Patel
BAPS Mandir Management
Thakor Patel
Roberta Grill

Other

FINDINGS OF FACT (Standards)

The Village of Bartlett Zoning Ordinance requires that certain findings of fact, or standards, must be met before a special use permit, variation, site plan or planned unit development may be granted. Each application for a hearing before the Plan Commission or Zoning Board of Appeals for a special use, variation, site plan or planned unit development must address the required findings of fact for each particular request. The petitioner should be aware that he or she must present specific testimony at the hearing with regards to the findings. **(On the following pages are the findings of fact, or standards, to be met. Please respond to each standard, in writing, as it relates to the case.)**

****PLEASE FILL OUT THE FOLLOWING FINDINGS OF FACT AS THEY**
RELATE TO YOUR CASE.**

FINDINGS OF FACT FOR PLANNED UNIT DEVELOPMENTS

Both the Plan Commission and Village Board must decide if the requested Planned Unit Development meets the standards established by the Village of Bartlett Zoning Ordinance.

The Plan Commission shall make findings based upon evidence presented on the following standards: **(Please respond to each of these standards in writing below as it relates to your case. It is important that you write legibly or type your responses as this application will be included with the staff report for the Plan Commission and Village Board to review.)**

1. The proposed Planned Unit Development is desirable to provide a mix of uses which are in the interest of public convenience and will contribute to the general welfare of the community.

The location for the Phase 4 Building was approved under Village Ordinance # 2012-72.

See Preliminary/Final PUD Plan BAPS Phases 1, 2 and 3A prepared by SPACECO, Inc. dated September 30, 2011,

last revised May 25, 2012 ("Approved PUD") attached as Exhibit D to Ordinance #2012-72 and the Phasing Plan BAPS Temple and

Yogi Plaza prepared by SPACECO, Inc. dated September 30, 2011, last revised May 25, 2012 ("Approved Phasing Plan").

See also Phase 4 Concept Elevation attached as Exhibit F-1 to Village Ordinance # 2012-72. The uses planned are for family friendly activities and religious instruction classrooms.

2. The Planned Unit Development will not under the circumstances of the particular case be detrimental to the health, safety, morals, or general welfare of persons residing or working in the vicinity or be injurious to property value or improvement in the vicinity.

The location for the Phase 4 Building was approved under Village Ordinance # 2012-72 via

the Approved PUD (Exhibit D), the Approved Phasing Plan (Exhibit E) and the Phase 4 Concept Elevation attached as Exhibit F-1 to

Village Ordinance # 2012-72. There is no on-street parking on any of the highways and roads surrounding the Mandir

Site (the 29.95 +/- acre site of which the Phase 4 tract of land is a part), the peak time periods for use of the Phase 4 building

will be evenings and weekends. It is intended to be a facility for use by families, guests and worshippers at the BAPS Mandir. The building will not be very visible from most neighbors due to existing landscaping, distance from property lines and land elevation.

3. The Planned Unit Development shall conform to the regulations and conditions specified in the Title for such use and with the stipulation and conditions made a part of the authorization granted by the Village Board of Trustees.

The Preliminary PUD and special use in the Village's ER-1 Zoning District for the Phase 4

Building was approved under Village Ordinance # 2012-72 ("Special Use Permit"). The only variation requested in this Application

is to approve a reduction in the required number of parking spaces because the same individuals who attend worship services

and other events at the existing Phase 1 Buildings are expected to use the Phase 4 Building on weekends, and the other

peak times for use of the Phase 4 Building will be evenings when there are fewer worshippers at the Mandir. Another key reason for building the Phase 4 Building is to alleviate crowding of existing facilities at the weekend peak times (i.e., to spread out the current attendees among more square feet), which will not require additional parking spaces.

4. The proposed uses conform to the Comprehensive Plan and the general planning policies of the Village for this parcel.

The proposed uses for the Phase 4 Building (family life center) were approved in concept under Village Ordinance # 2012-72 and are consistent with a religious institutional uses allowed under the Special Use Permit. The proposed uses for the Phase 4 Building were also approved pursuant to Paragraph 14.B of the Annexation Agreement approved under Village Ordinance # 2012-70 ("Annexation Agreement").

5. Each of the proposed uses is a permitted or special use in the district or districts in which the Planned Unit Development would be located.

The Phase 4 Building proposed uses are consistent with those allowed under the Special Use Permit, and are consistent with the uses permitted under Paragraph 14.B of the Annexation Agreement, which approved the use as a "family activity center, including all or any of the following uses: gymnasium, auditorium, meeting rooms and other uses consistent with those appropriate for family activities offered to BAPS' members and the community."

6. The Planned Unit Development is designed, located and proposed to be operated and maintained so that the public health, safety and welfare will not be endangered or detrimentally affected.

The Phase 4 Building location is as approved under Village Ordinance # 2012-72 and the Annexation Agreement. See also responses to Items 2, 3 and 5 above. Providing a secure location where families can participate in age-appropriate activities either together or at the same time will benefit the health, safety and welfare of the entire community.

7. It shall not substantially lessen or impede the suitability for permitted use and development of, or be injurious to the use and enjoyment of, or substantially diminish or impair the value of, or be incompatible with, other property in the immediate vicinity.

The location of the Phase 4 Building hundreds of feet inside the boundaries of a parcel exceeding 29 acres in size will not affect the future development or use of the surrounding properties. Its height will be shorter than that of the Mandir and its position within the overall Mandir site is such that it will not be readily visible outside the boundaries of the Mandir site, and those boundaries closest to the Phase 4 Boundaries are currently planted with numerous trees and other landscaping.

8. Impact donations shall be paid to the Village in accordance with all applicable Village ordinances in effect at the time of approval.

Per Paragraph 2.H of the Annexation Agreement approved and recorded under Village Ordinance # 2012-70, impact fees are only required for new commercial buildings developed in Phases 5 and 6. Accordingly, only normal building permits and plan review fees are required for the Phase 4 Building and any other buildings on the Mandir Property.

9. The plans provide adequate utilities, drainage and other necessary facilities.

The drainage and other utilities, including water, sanitary sewer and storm water detention have been previously constructed as part of Phases 1 through 3, other than customary service lines to serve the Phase 4 Building. The Storm Water Management Report for PPhases 1, 2 and 3A prepared by SPACECO, Inc. dated October 2011 and last revised June 27, 2012 has been updated by the storm water calculations on the Preliminary Engineering Plan dated June 26, 2015 prepared by VantagePoint Engineering.

10. The plans provide adequate parking and ingress and egress and are so designed as to minimize traffic congestion and hazards in the public streets.

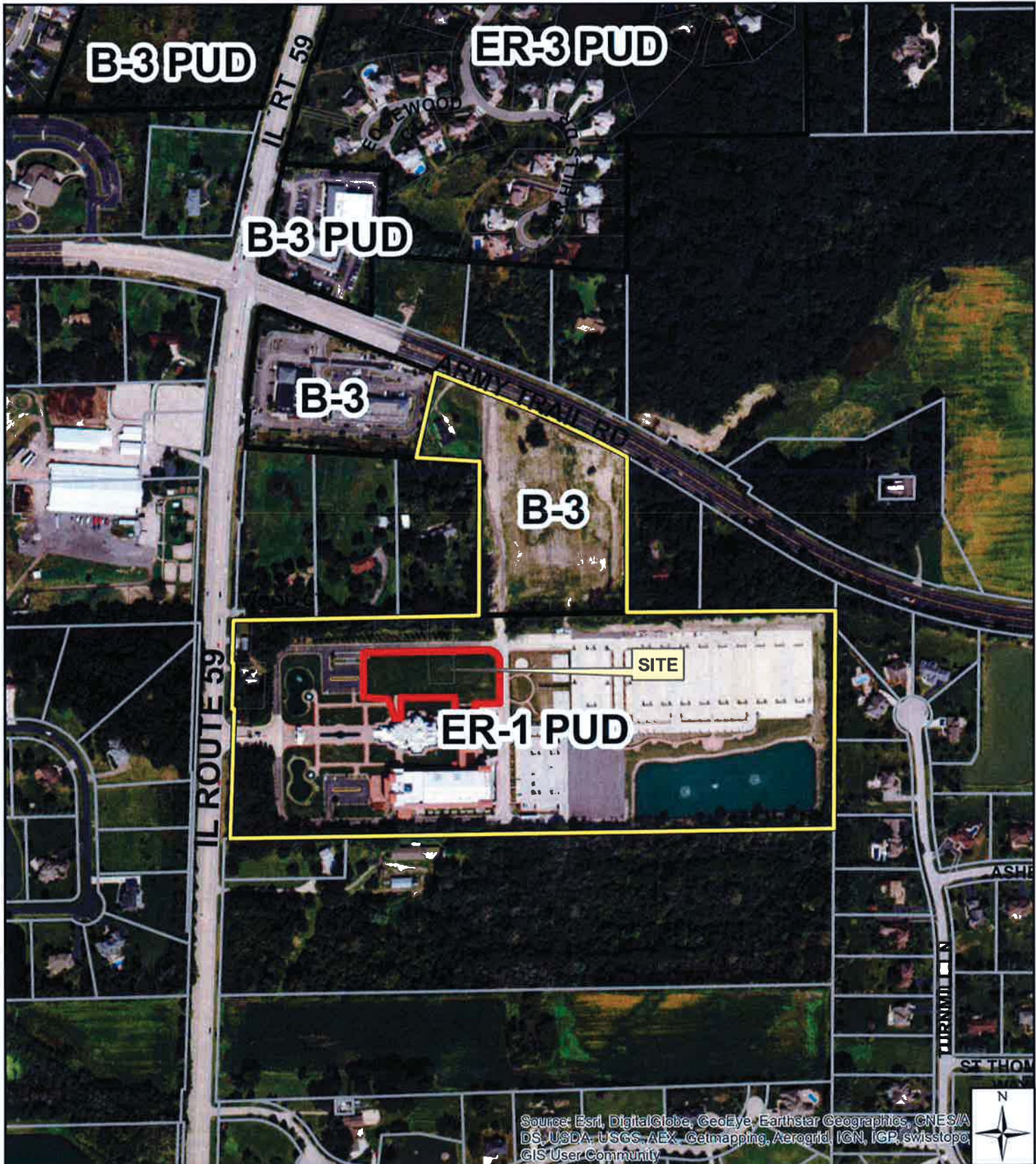
Parking to serve the Phase 4 Building has been provided in Phases 2 and 3. Access to the Phase 4 Building site was provided in Phase 1. A variance is being sought to allow existing and new Phase 3A parking (previously engineered, but to be constructed at the same time as Phase 4) to suffice. A traffic impact study as required pursuant to Paragraph 14.B of the Annexation Agreement prepared by Gewalt Hamilton Associates, Inc. dated June 15, 2015 is attached.

11. The plans have adequate site area, which area may be greater than the minimum in the district in which the proposed site is located, and other buffering features to protect uses within the development and on surrounding properties.

The Phase 4 building site is part of a large PUD comprising approximately 37.41 acres, of which approximately 29.95 acres (the "Mandir Property" as defined in the Annexation Agreement) are within the ER-1 Zoned Portion that includes the approximately 1.53 acre Phase 4 building site. The size of the Mandir Property exceeds the minimum acres required for the approved Special Use in the ER-1 Zoning District under Village Ordinance # 2012-72.

Case #2015-13

BAPS-Phase 4





PHASE 4 CONCEPT ELEVATION

EXHIBIT F-1

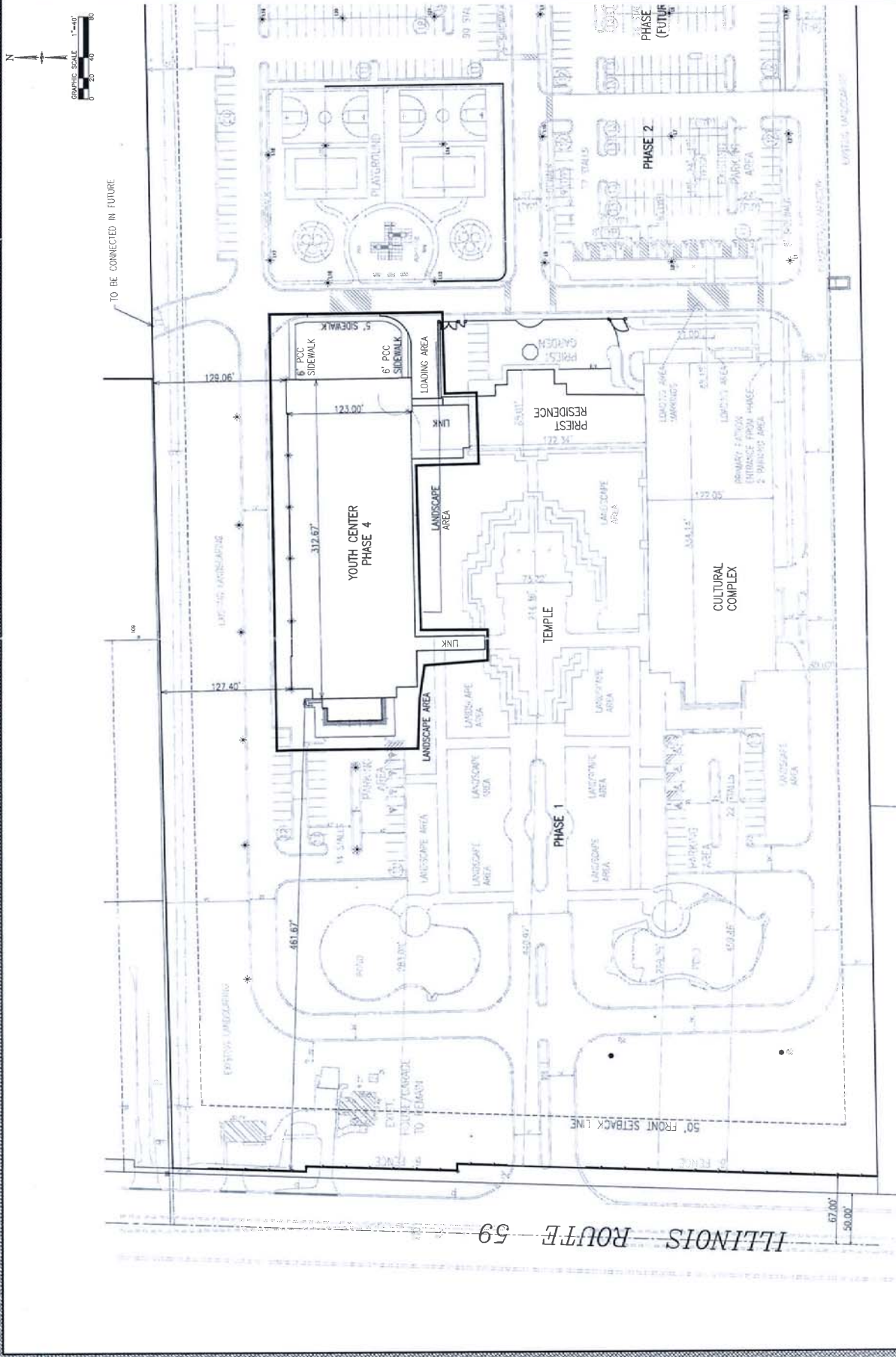
NO.	DATE	DESCRIPTION
1	07/21/15	ISSUED FOR PERMITS
2		
3		
4		
5		
6		
7		
8		
9		
10		

ADVANTAGE CONSULTING ENGINEERS, LLC
 80 MAIN STREET, SUITE 17
 LEMONT, IL 60439
 847-260-4758

PRELIMINARY/FINAL PUD PLAN
 BAPS - PHASE 4
 BAPS HINDU TEMPLE
 BARLETT, IL

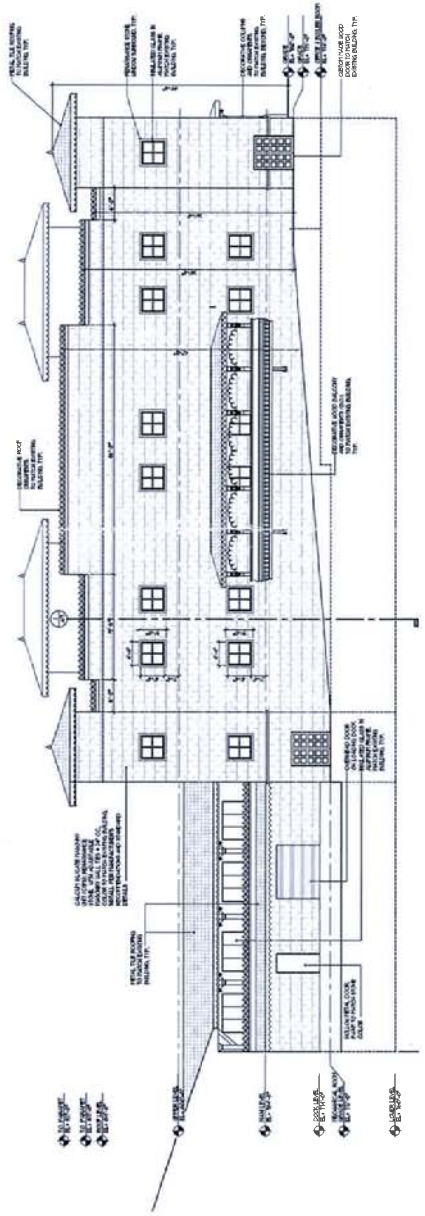
B.A.P.S. DEVELOPMENT, LLC
 1841 S. ROUTE 59
 BARLETT, IL 60103

DATE: 07-21-2015
 SHEET: PUD02
 2 OF 2

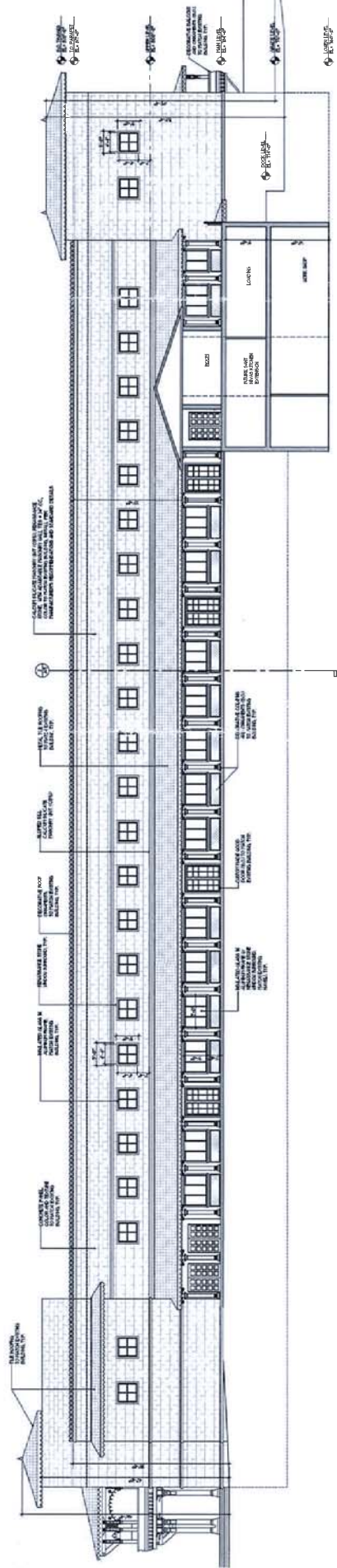


ILLINOIS ROUTE 59

67.00'
50.00'



EAST ELEVATION
 SCALE 1/8" = 1'-0"



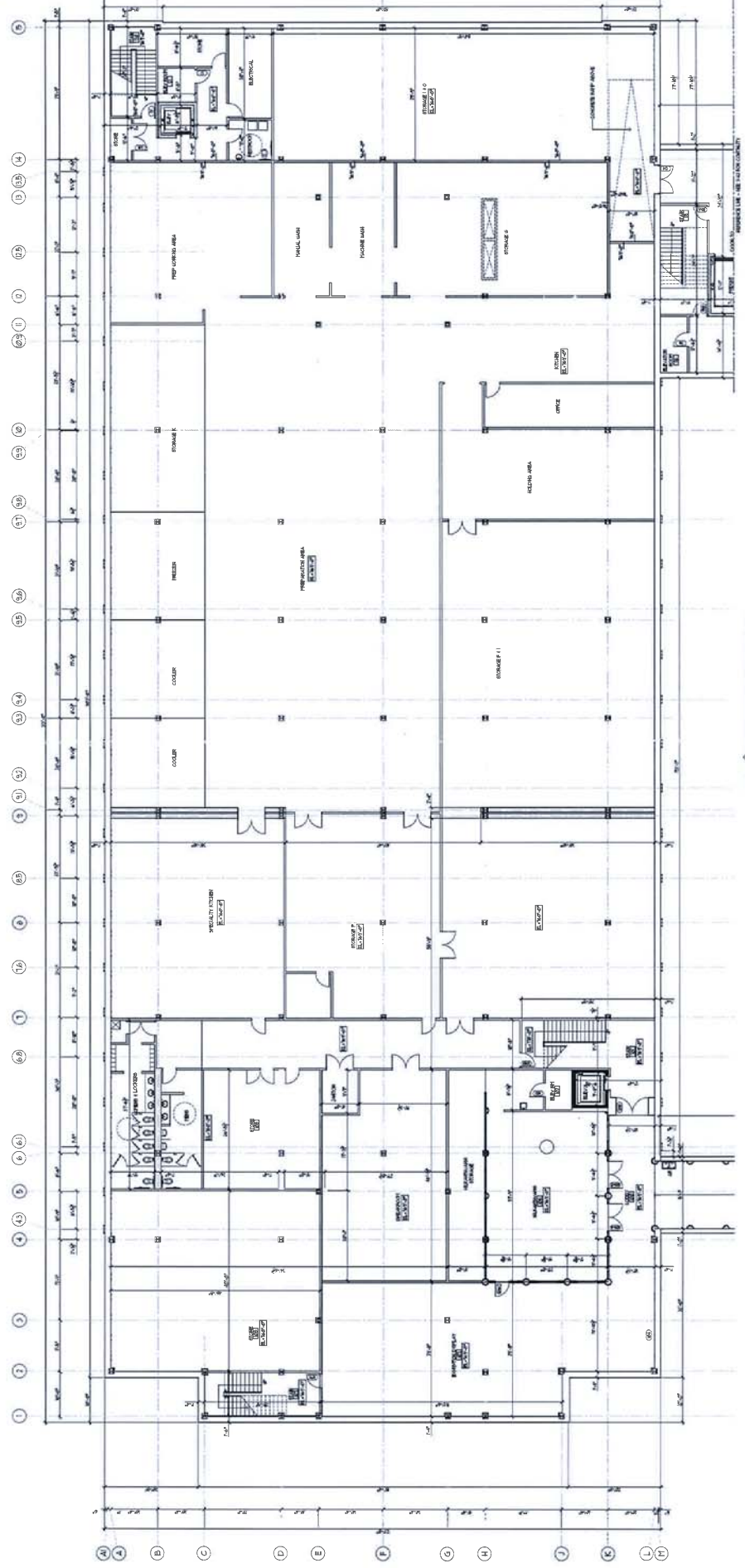
SOUTH ELEVATION
 SCALE 1/8" = 1'-0"

PROPOSED BUILDING DESIGN FOR:
BAPS FAC

Revisions:
 1. 10-05-16
 2. 10-05-16
 3. 10-27-16
 4. 10-27-16
 5. 10-27-16
 6. 10-27-16
 7. 10-27-16
 8. 11-02-16

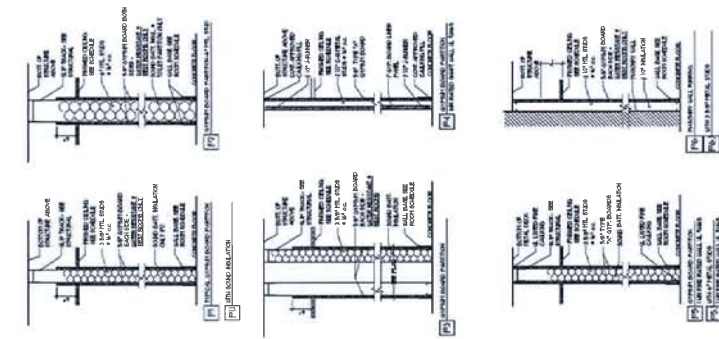
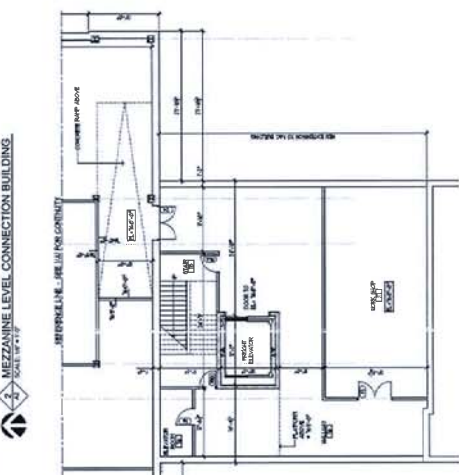
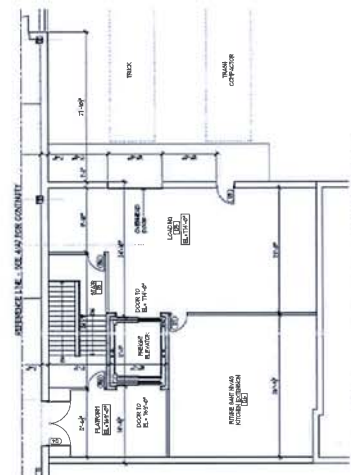
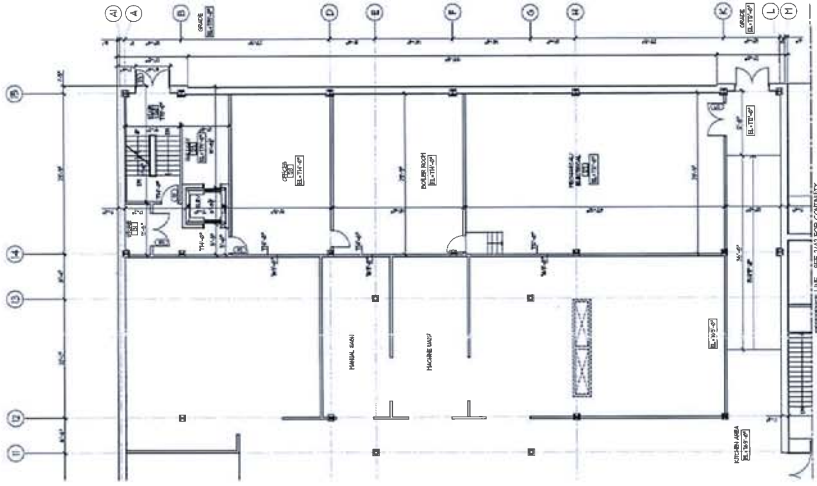
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 Project Number:
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A-1



LOWER LEVEL FLOOR PLAN

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 COMMUNITY DEVELOPMENT
 JUL 07 2016
 VILLAGE OF
 BARTLETT

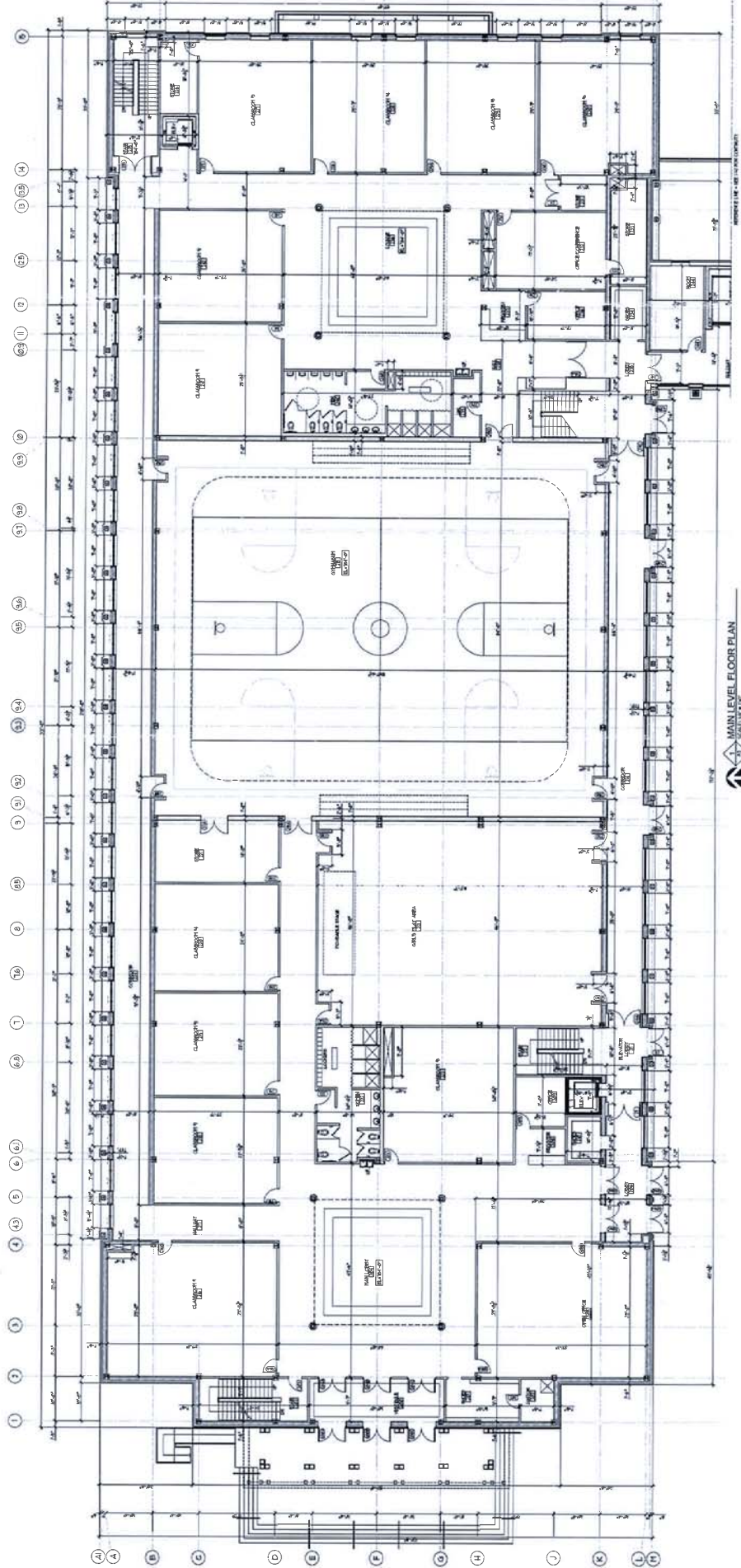


PROPOSED BUILDING DESIGN FOR:
BAPS FAC

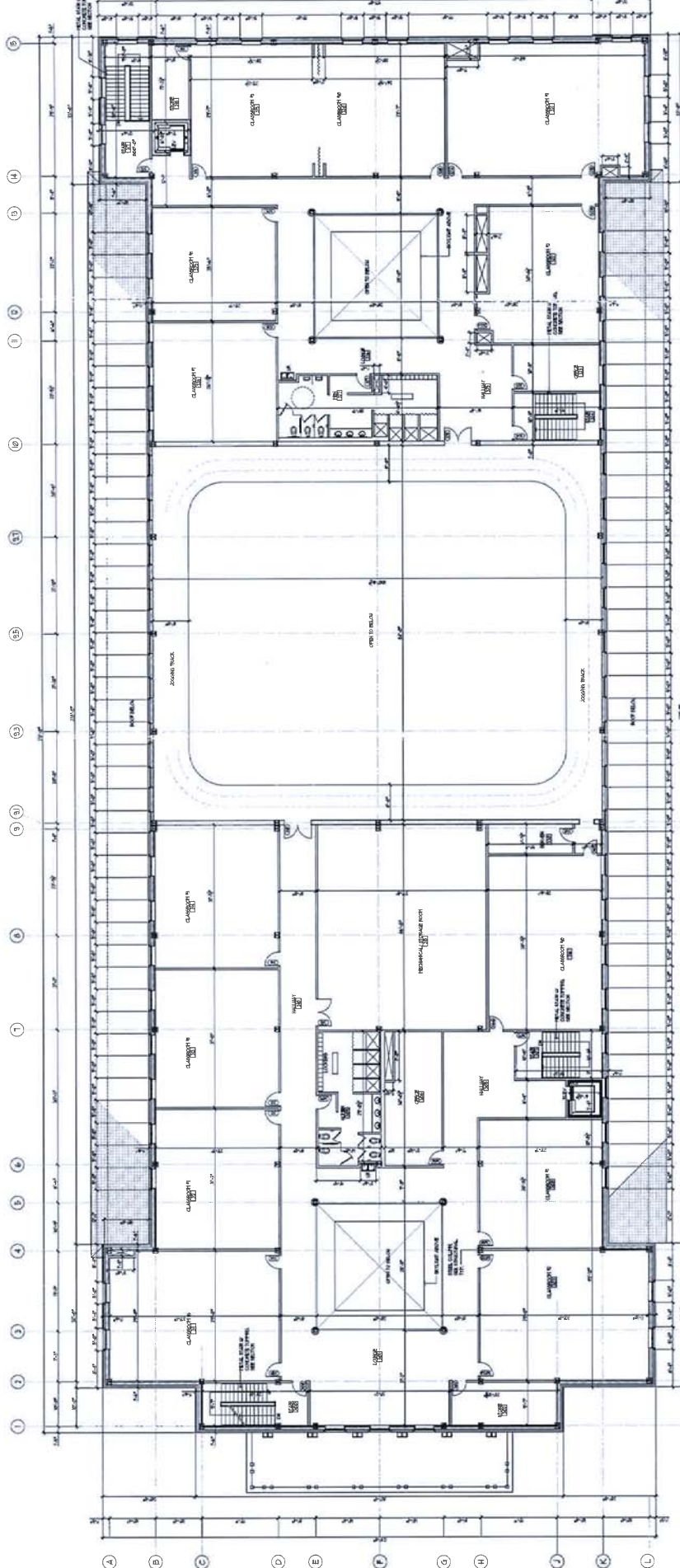
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 7. 05-27-16
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A-3
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MAIN LEVEL FLOOR PLAN



UPPER LEVEL FLOOR PLAN
 A-4

Traffic Impact and Parking Study

To: Mr. Thakor Patel
BAPS Development, Inc.

From: Lynn M. Means, P.E., PTOE
Senior Transportation Engineer

Tim Doron
Director of Transportation Planning

Date: June 15, 2015

Subject: Proposed Family Activity Center
BAPS Hindu Temple
1851 South Illinois Route 59
Bartlett, Illinois

RECEIVED
COMMUNITY DEVELOPMENT

JUN 29 2015

VILLAGE OF
BARTLETT

Part I. Introduction and Project Context

Gewalt Hamilton Associates, Inc. (GHA) has conducted a Traffic Impact and Parking Study for the above captioned project. The BAPS Hindu Temple (site) currently operates on the approximately 30 acre site located along the east side of Illinois Route 59 (Sutton Road), south of Army Trail Road (DuPage County Route 11), in Bartlett, Illinois. The proposed expansion of the site includes the construction of a two-story, approximately 93,500 square-foot Family Activity Center (FAC). It will also add 96 parking spaces, bringing the site total to 821 spaces.

The following summarizes our findings and provides various recommendations for your consideration. *Exhibits* and *Appendices* referenced are located at the end of this document.

Part II. Background Information

Site Location Map and Roadway Inventory

Exhibits 1 and *2* provide a location map and aerial photography of the site vicinity. Pertinent comments to the adjacent roadways include:

- IL Route 59 is a north-south principal arterial, providing a five lane cross-section (two through lanes in each direction and a center turn lane/median). At its unsignalized intersection with the site access driveway, IL Route 59 provides a left-turn lane in the southbound direction; northbound right-turns are shared with the through movements. IL Route 59 is under the jurisdiction of the Illinois Department of Transportation (IDOT) with a posted speed limit of 45 miles per hour.
- The average daily traffic (ADT) on IL Route 59 in the vicinity of the site is 33,300 vehicles with 3,450 trucks (10.4%).

- A single access point on IL Route 59 serves the BAPS Hindu Temple, providing two exiting lanes (a separate right- and left-turn lane) and two inbound lanes, operating under Stop sign control.

Current Site Characteristics

Information on prayer services and classes was provided by the BAPS Hindu Temple staff.

- Five scheduled prayer (Arti) services are held seven days a week at 6:00 AM, 7:30 AM, 11:15 AM, 7:00 PM and 8:30 PM, as well as Sunday school classes from 11:00 AM to 3:00 PM. The service with the highest attendance occurs on Sunday at 7:00 PM.
- Weekday (Monday through Friday) attendance for the aforementioned prayer services is, on average, 15, 25, 30, 100 and 10 persons, respectively, including both adults and children.
- On Saturday, attendance for the 6:00 AM, 7:30 AM, 11:15 AM, 7:00 PM and 8:30 PM services is, on average, 15, 30, 200, 200 and 25, respectively, again including both adults and children.
- On Sunday, attendance for the aforementioned services is 15, 30, 250, 1,400 and 50, respectively, including both adults and children. An additional 200 to 300 persons are typically present on site during the Sunday peak service.
- Parents typically drop off their children prior to 11:00 AM for Sunday school and return after 4:00 PM for the 7:00 PM assembly.
- Classes for girls are held in the lower level of the Haveli (Cultural Complex), with the space currently too small to accommodate classroom needs.
- Classes for boys are currently held in the Priest residence.
- Assembly for women and girls (Sabha) is currently held in the main assembly hall prior to the regular Sunday assembly.
- The dining area located in the Haveli is too small to accommodate the current Sunday activities.
- The site is also open to visitor from 9:00 AM to 7:00 PM daily throughout the year. On weekdays, typical visitor attendance is 200 persons, while Saturday and Sunday visitor attendance ranges from 300 to 600 persons.

The site currently provides 725 parking spaces.

Existing Parking Demand and Vehicle Occupancy

Exhibit 3 graphically depicts the parking areas surveyed. GHA conducted a parking demand survey on Sunday, May 3, 2015 to determine the existing site parking characteristics. The parking demand was recorded every hour from 3:00 to 9:00 PM. This time period coincides with the scheduled services and the anticipated peak arrival and departure. *Exhibit 4* presents a summary of the parking survey results. As shown on *Exhibit 4*, the peak parking demand occurred at 6:00 PM, with 637 spaces occupied, representing approximately 88 percent of the available parking supply (725 spaces).

In an effort to determine the average occupancy of vehicles accessing the site, a count of the worship attendance for the peak service was conducted. The attendance count was performed by BAPS staff and included all staff and visitors (including the service, education and children/youth activities) on campus. On Sunday, May 3, 2015, approximately 1,400 people, including children, were present in the assembly hall and

300 people located in other areas of the campus, for a total of 1,700 people. Based on the aforementioned peak parking demand of 637 vehicles, the vehicle occupancy rate was determined to be 2.67 persons per vehicle (attendance divided by demand = $1,700/637 = 2.67$).

Existing Traffic

Exhibit 5 summarizes the existing Sunday evening, weekday morning and weekday evening peak hour traffic volumes. Peak period traffic turning movement counts were conducted by GHA on Sunday, May 3, 2015 from 3:00 to 9:00 PM and on Tuesday, May 5, 2015 from 7:00 to 9:00 AM and 4:00 to 6:00 PM. The observed Sunday worship entering (pre-service) and exiting (post-service) peak hours occurred from 4:00 to 5:00 PM and 7:15 to 8:15 PM, respectively, while the weekday morning and evening peak hours occurred from 7:00 to 8:00 AM and 4:45 to 5:45 PM, respectively. *Exhibit 5* also provides the ADT 24-hour volume along IL Route 59 from 2013 as published by IDOT on their website www.gettingaroundillinois.com.

No unusual activities (e.g. roadway construction, or inclement weather) were observed during our counts that would be expected to impact traffic volumes or travel patterns in the vicinity. Summaries of the existing traffic counts can be found in Appendix I.

2020 No-Build (Non-Site) Traffic

Exhibit 6 summarizes the 2020 No-Build Sunday evening, weekday morning and weekday evening peak hour traffic volumes. In accordance with IDOT requirements, future traffic volume conditions were developed for the year 2020, build-out plus five years. For the purpose of this study and based on a review of historical IDOT traffic volumes and recent studies performed in the area, traffic volumes along the roadways surrounding the site are assumed to experience an overall annual, compounded growth rate of approximately three percent per year. Accordingly, the 2020 No-Build peak hour traffic volumes were developed by applying a three percent compounded annual growth rate to the existing traffic (*Exhibit 5*).

Part III. Traffic Evaluation

Future Site Characteristics

Exhibit 7 depicts the proposed site plan. As shown, the development consists of the construction of a two-story, approximately 93,500 square-foot FAC on the north side of the Mandir (place of worship and prayer). It also includes an expansion to the existing parking facilities, adding 96 parking spaces, bringing the site total to 821 spaces. Access to the site is provided via one driveway on IL Route 59. Additional access to the site via Army Trail Road may be provided when future expansion and/or growth in membership warrants.

The proposed expansion is not anticipated to be a significant generator of new site traffic, but to serve the current site uses and demand. As previously indicated, the girls classrooms are overcrowded, the boys classes are being held in the priest's residence, the dining area is too small to accommodate the Sunday activities and the girls and ladies Sabha is held in the main assembly hall, which often must be rushed to get the hall ready for regular Sunday assembly. The new facility will provide extra space for the aforementioned uses and permit the current spaces to be used for their intended use. A gymnasium is also proposed within

the FAC, which will be used by boys and girls following their classes and before Sunday assembly. The FAC is not anticipated to be used except on Sundays, other than for storage or minimal activity.

Exhibit 8 – Part A tabulates the traffic generation calculations for the proposed development. Typically, the trip generation rates published by the Institute of Transportation Engineers (ITE) in the 9th Edition of the *Manual Trip Generation* are used to determine the anticipated traffic from a development; however, because the expansion is proposed to serve the existing use and not a source of new site, local membership data was used instead. Based on historical data, the BAPS Hindu Temple has been experiencing a membership growth of approximately 3.5 percent annually. The membership growth calculations are provided in *Appendix II*.

Exhibit 8 – Part B provides the anticipated trip distribution. This was based on existing site travel patterns. As shown, majority of the site traffic arrives and departs to the north.

Site and Total Traffic Assignments

Exhibit 9 illustrates the site traffic assignment which is based on the traffic characteristics summarized in *Exhibit 8* (traffic generation and trip distribution) and assigned to the area roadways. Four peak hours are shown, including the weekday morning and evening street peak traffic and the Sunday evening worship entering (pre-service) and exiting (post-service) peak traffic.

Site traffic and 2020 No-Build traffic (see *Exhibits 9* and *6*, respectively) were combined to produce the 2020 Total traffic, which is illustrated on *Exhibit 10*.

As previously stated, the FAC will not be a significant generator of traffic, increases in traffic are only anticipated with regular membership growth. As shown on *Exhibits 8* and *9*, the development will have almost a negligible impact on operations along IL Route 59. During the weekday morning and evening peak hours virtually no site traffic will be generated, with one additional vehicle every 7 to 15 minutes. During the Sunday pre- and post-service peak periods, the increase in traffic represents, on average, one additional vehicle per minute.

Future Parking Demand

Exhibit 11 summarizes the future on-site parking and attendance characteristics. As previously indicated, the existing total parking demand observed on Sunday was 637 vehicles, occurring at 6:00 PM. Therefore, the existing parking demand can be accommodated within the proposed 821 parking spaces on site.

Based on historical data, the BAPS Hindu Temple has been experiencing an annual, compounded growth in membership of approximately 3.5 percent. As membership and attendance of assembly services grow, the occupancy of the on-site parking will also increase. The proposed 821 parking spaces provides for an increase in parking of approximately 29 percent above the current peak parking demand. Given the historical growth in membership, the proposed on-site parking supply will accommodate the peak parking demand on-site for just beyond seven years.

Capacity Analyses

Capacity analyses are a standard measurement in the industry that identifies how a particular intersection operates. *Exhibit 12 – Part A* lists the analysis parameters, as published in the Transportation Research Board's (TRB) 2010 Highway Capacity Manual (HCM). They are measured in terms of level of service (LOS). LOS A is the best rating, with LOS F being the worst. LOS C is often considered acceptable for design purposes and LOS D is usually considered as providing the lower threshold of acceptable operations. LOS E and F are usually considered unacceptable.

For Two Way Stop Controlled (TWSC) intersections, LOS is reported for conflicting movements on the major street (i.e. left turns onto the minor approach) and for each movement on the stopped approach. Approach "control delay" is also reported in seconds per vehicle.

Exhibit 12 - Part B summarizes the intersection capacity analysis results. As shown, all approaches at the study intersection operate at or above an acceptable LOS D before and after the expansion during all four peak hours studied. It should be noted, the westbound left-turn from the site access onto IL Route 59 southbound currently operates at a LOS E and a LOS E/F under future conditions, with the anticipated traffic growth within the area and the addition of the site-generated traffic, during the weekday morning, weekday evening and Sunday worship entering (pre-service) peak hours. The delay experienced by this movement is typical for a minor street intersection with a major street with heavy through volumes. Left-turning vehicles have to wait longer to find an acceptable gap in both north and southbound traffic on IL Route 59.

Capacity analysis summary printouts are provided in *Appendix III*.

Gap Study

Exhibit 13 provides the results of a gap study performed at the site access location with IL Route 59. A gap study was conducted by GHA on Sunday, May 3, 2015 from 3:00 to 9:00 PM for the existing five-lane cross section (two through lanes in each direction and a center turn-lane) on IL Route 59. The data collected from the gap study is included in *Appendix IV*.

Gap studies are conducted to determine the duration and frequency of gaps, or interruptions in the through traffic stream, which permits vehicles on side streets site access to turn and enter the through traffic stream or vehicles on the mainline to cross the traffic stream to access a side street. The following three types of gaps were analyzed:

- The number of gaps in the northbound traffic stream on IL Route 59 to provide for a southbound left-turn movement from IL Route 59 onto the site access eastbound (*Exhibit 13 – Part A*).
- The number of gaps in the northbound traffic stream on IL Route 59 to provide for a westbound right-turn movement from the site to northbound IL Route 59 (*Exhibit 13 – Part B*).
- The number of gaps in the combined northbound and southbound traffic streams on IL Route 59 to provide for a westbound left-turn movement from the site to southbound IL Route 59 (*Exhibit 13 – Part C*).

During the critical Sunday peak periods, the types of vehicles performing the above movements is passenger cars only. A minimum clearance time (critical gap) of 6.0 seconds, 7.5 seconds and 8.5 seconds is required for one single passenger car to make a left-turn into the site, right-turn out of the site and a left-turn out of the site, respectively. The minimum timeframe between the departure of one vehicle making a left-turn into the site, right-turn out of the site and a left-turn out of the site and the departure of the next vehicle using the same gap (follow-up time) is 2.2 seconds, 3.3 seconds and 3.5 seconds, respectively.

The available gaps, which were identified by the data collection, were measured against the required amount of time for each movement, as described above. The following summarizes the results during the critical peak hour, as shown on *Exhibit 13 – Part D*:

- Southbound left-turns into the site: 261 required, 284 gaps available during the Sunday worship entering (pre-service) peak hour.
- Westbound right-turns out of the site: 424 required, 515 gaps available during the Sunday worship exiting (post-service) peak hour.
- Westbound right-turns out of the site: 25 required and 46 available during the Sunday worship entering (pre-service) peak hour and 107 required, 164 gaps available during the Sunday worship exiting (post-service) peak hour.

Given the historical growth in membership, the available gaps within the existing IL Route 59 northbound and southbound traffic stream will accommodate the Sunday pre-service and post-service peak hour traffic volumes for just beyond seven years.

Part IV. Recommendations and Conclusions

Based on GHA's data collection, review and analysis, the proposed Family Activity Center and expansion of on-site parking at BAPS Hindu Temple will be effectively served by the existing roadway network and site access system. The existing access system and roadway lane configurations will continue to effectively serve the projected Sunday pre-service and post-serve peak hour traffic volumes, as well as the weekday morning and evening street peak hour traffic volumes. The proposed expansion to 821 parking spaces on-site will initially accommodate the existing parking demand of 637 vehicles and future (year 2020) peak parking demand of 757 vehicles. However, given the historical growth in membership, the proposed on-site parking is expected to be fully utilized in seven to eight years. At this seven to eight year timeframe, the Sunday pre-service and post-service peak hour traffic volumes are anticipated to exceed the available gaps within the IL Route 59 northbound and southbound traffic stream.

Accordingly, at that time, consideration should be given to expanding the parking supply on-site to accommodate the projected parking demand and/or implement measures to improve vehicle occupancy (rideshare) or to shift attendance to less attended Sunday service. Also at this time, due to the anticipated limited availability of gaps in the IL Route 59 traffic stream, consideration should be given to providing police detail during the Sunday pre- and post-service peak periods (3:00 to 9:00 PM) to facilitate traffic entering and exiting the site (operating similar to traffic signal control) or a second site access to the site should be provided onto Army Trail Road.

Part V. Technical Addendum

The following Exhibits and Appendices were previously referenced. They provide technical support for our observations, findings and recommendations discussed in the text.

Exhibits

1. Site Location Map
2. Aerial Location Map
3. Parking Survey Locations
4. Parking Occupancy Survey
5. Existing Traffic
6. 2020 No-Build Traffic
7. Site Plan
8. Traffic Characteristics
9. Additional Site Traffic
10. 2020 Total Traffic
11. Project Parking Characteristics
12. Capacity Analysis
13. Gap Analysis

Appendices

- I. Traffic Count Summaries
- II. Membership Growth Calculations
- III. Capacity Analysis Worksheets
- IV. Gap Study Data

Technical Addendum

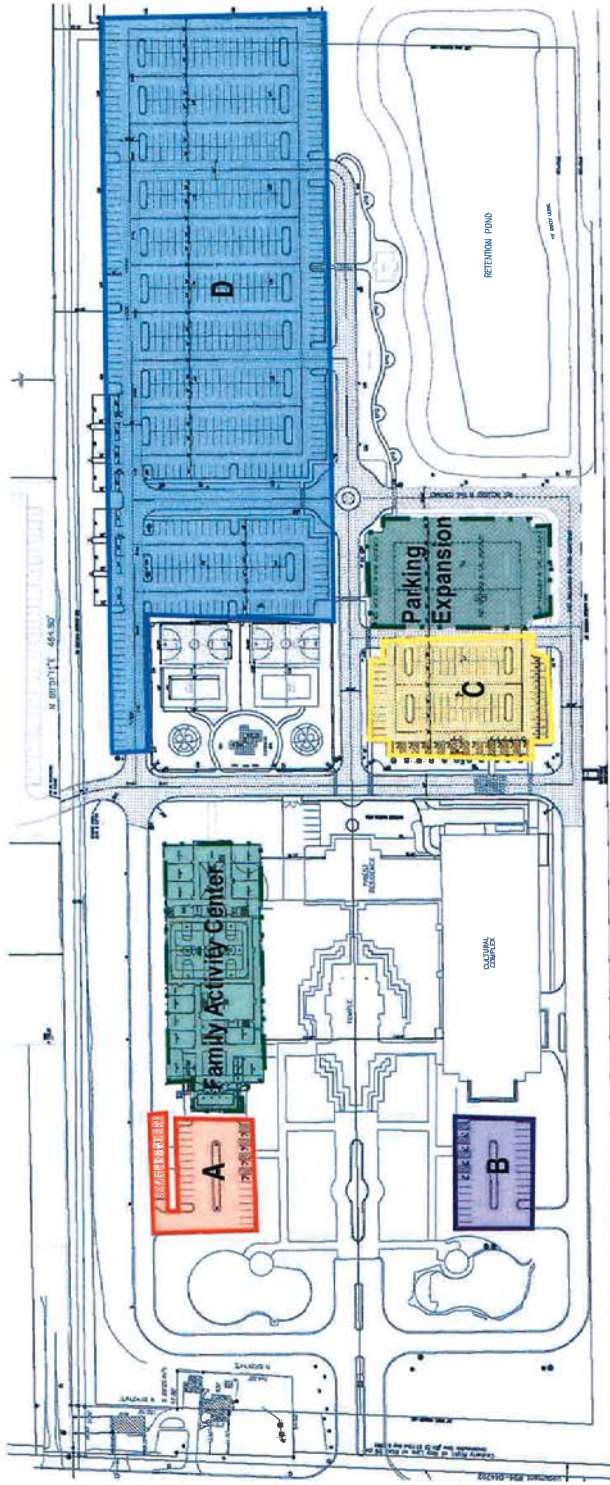
Exhibits



Proposed Expansion BAPS Hindu Temple – Bartlett, IL

GHA GEWALT HAMILTON
ASSOCIATES, INC.

Exhibit 1
Location Map



Proposed Expansion BAPS Hindu Temple – Bartlett, IL



Exhibit 3
 Parking Survey Locations

**Exhibit 4 - Parking Occupancy Survey
BAPS Hindu Temple - Bartlett, Illinois
3:00 PM - 9:00 PM**

Parking Location See Exhibit 3 for Map	Parking Description	Parking Type	Parking Supply	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM
A	Northwest Lot - West of Family Activity Center	Regular Spaces	30	38	44	44	45	39	7	0
		ADA Spaces	4	4	4	3	0	0	0	0
B	Southwest Lot - West of Cultural Complex	Regular Spaces	19	19	19	19	19	20	4	0
		ADA Spaces	3	3	3	3	3	1	1	1
C	Southeast Lot - East of Cultural Complex	Regular Spaces	76	76	76	76	77	31	20	20
		ADA Spaces	11	9	11	11	11	6	1	1
D	Northeast Lot - East of Future Family Activity Center	Regular Spaces	582	30	262	426	480	427	54	18
		Totals =	725	179	419	583	577	103	40	40
Overall Percent Occupied =				25%	58%	80%	88%	80%	14%	6%





Not to Scale

Legend:

- XX - Weekday AM Peak Hour (7:30-8:30 AM)
- (XX) - Weekday PM Peak Hour (5:00-6:00 PM)
- [XX] - Sunday Entering (Pre-Service) Peak Hour (4:00-5:00 PM)
- [XX] - Sunday Exiting (Post-Service) Peak Hour (7:15-8:15 PM)
- XX → - Average Daily Traffic

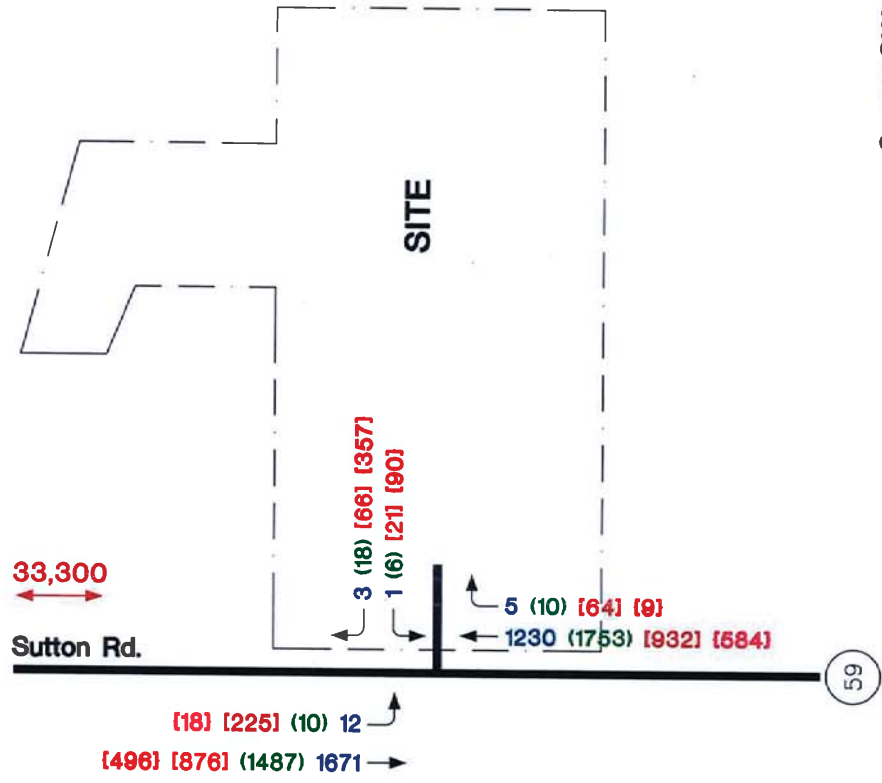


Exhibit 5
Existing Traffic
 Source: GHA, May 3 and 5, 2015

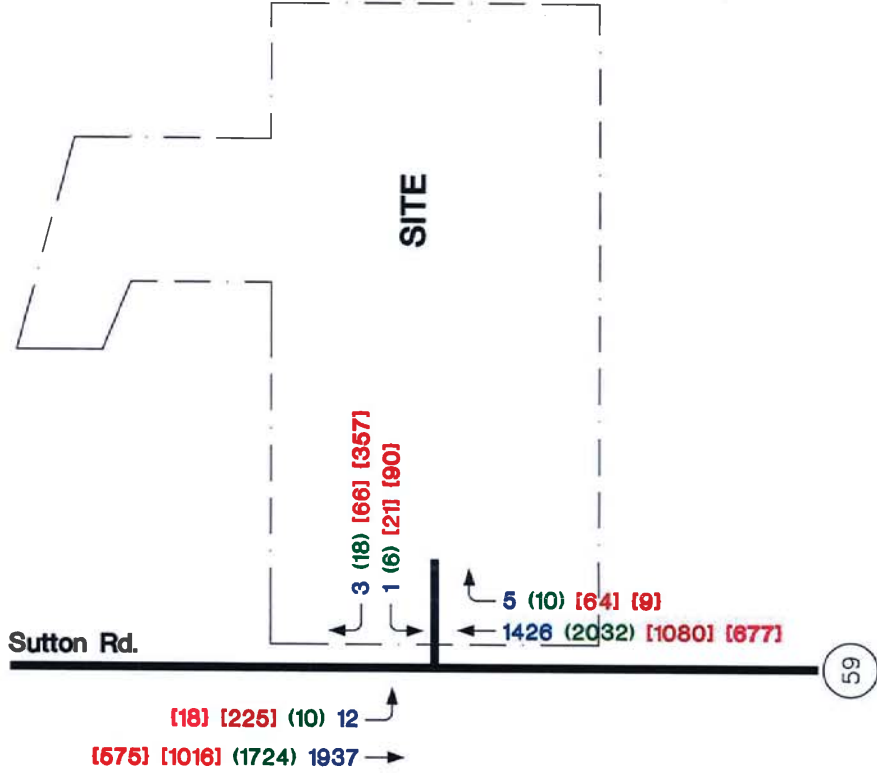


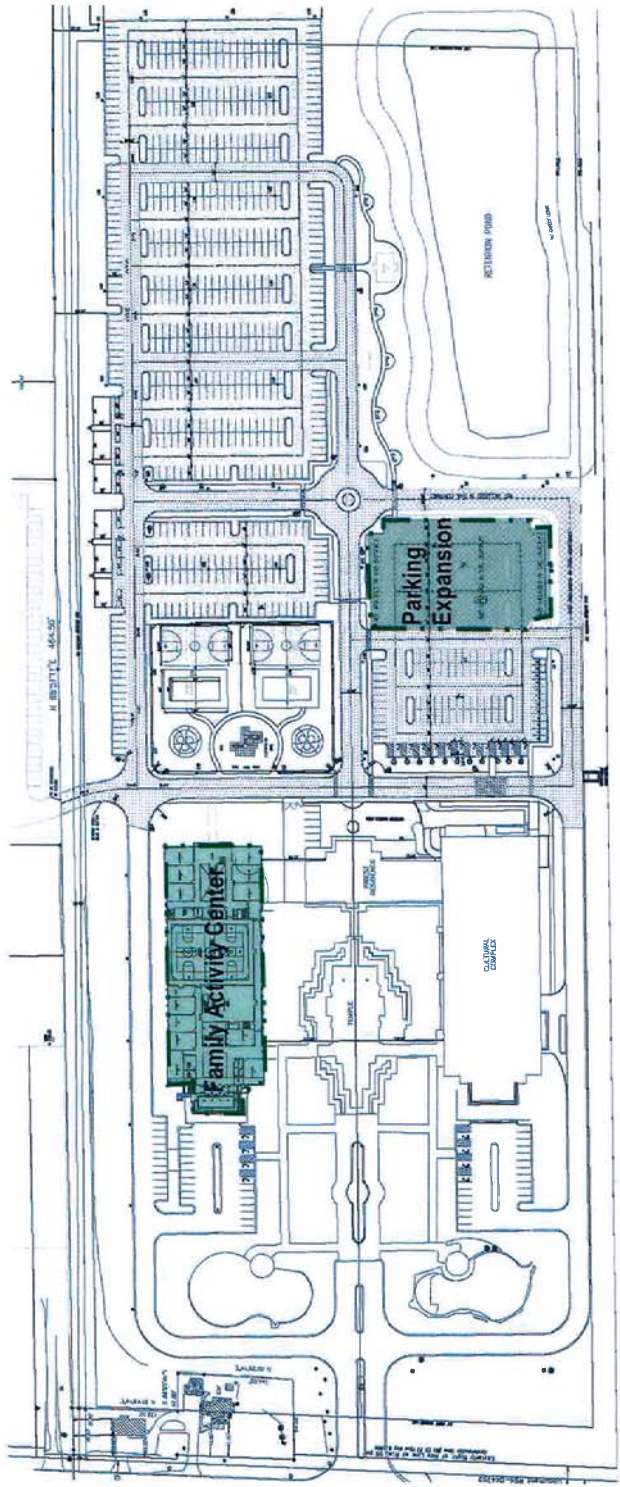


Not to Scale

Legend:

XX	Weekday AM Peak Hour (7:30–8:30 AM)
(XX)	Weekday PM Peak Hour (5:00–6:00 PM)
[XX]	Sunday Entering (Pre-Service) Peak Hour (4:00–5:00 PM)
{XX}	Sunday Exiting (Post-Service) Peak Hour (7:15–8:15 PM)





Proposed Expansion BAPS Hindu Temple – Bartlett, IL

Exhibit 7
Site Plan

Exhibit 8
Project Traffic Characteristics
BAPS Hindu Temple Expansion - Bartlett, Illinois

Part A. Traffic Generation Calculations

	Weekday AM Peak Hour			Weekday PM Peak Hour			Sunday Pre-Service Peak Hour			Sunday Post-Service Peak Hour		
	In	Out	Sum	In	Out	Sum	In	Out	Sum	In	Out	Sum
Existing	17	4	21	20	24	44	289	87	376	27	447	474
2020 Total Traffic (5 years)	20	5	25	24	28	52	343	103	446	32	531	583
Total Additional Site Traffic=	3	1	4	4	4	8	54	16	70	5	84	89

Source: GHA Intersection Turning Movement Counts (May 3, 2015) - Existing, and BAPS Historical Membership Attendance (3.5% compounded annual growth rate) - 2020 Total.

Part B. Trip Distribution

Route & Direction	Percent Use by Route					
	Approach Site From			Depart Site To		
	Weekday AM	Weekday PM	Sunday	Weekday AM	Weekday PM	Sunday
IL Route 59	70%	50%	80%	75%	65%	75%
- North of Site	30%	50%	20%	25%	35%	25%
Totals =	100%	100%	100%	100%	100%	100%



Not to Scale

Legend:

XX	Weekday AM Peak Hour (7:30–8:30 AM)
(XX)	Weekday PM Peak Hour (5:00–6:00 PM)
[XX]	Sunday Entering (Pre-Service) Peak Hour (4:00–5:00 PM)
[XX]	Sunday Exiting (Post-Service) Peak Hour (7:15–8:15 PM)

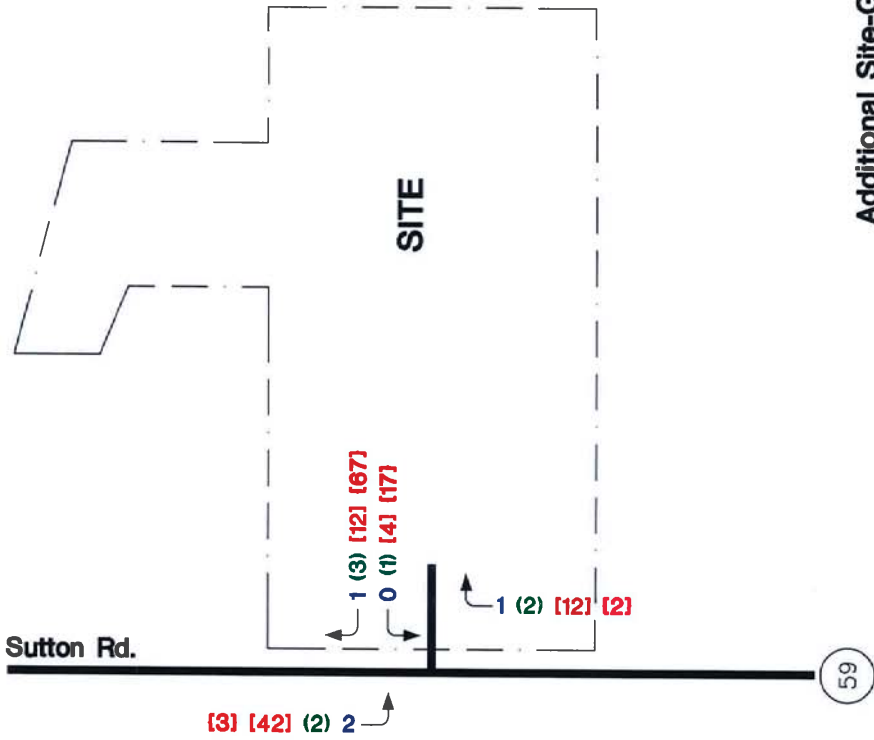
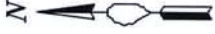


Exhibit 9
Additional Site-Generated Traffic





Not to Scale

Legend:

- XX - Weekday AM Peak Hour (7:30–8:30 AM)
- (XX) - Weekday PM Peak Hour (5:00–6:00 PM)
- [XX] - Sunday Entering (Pre-Service) Peak Hour (4:00–5:00 PM)
- [XX] - Sunday Exiting (Post-Service) Peak Hour (7:15–8:15 PM)

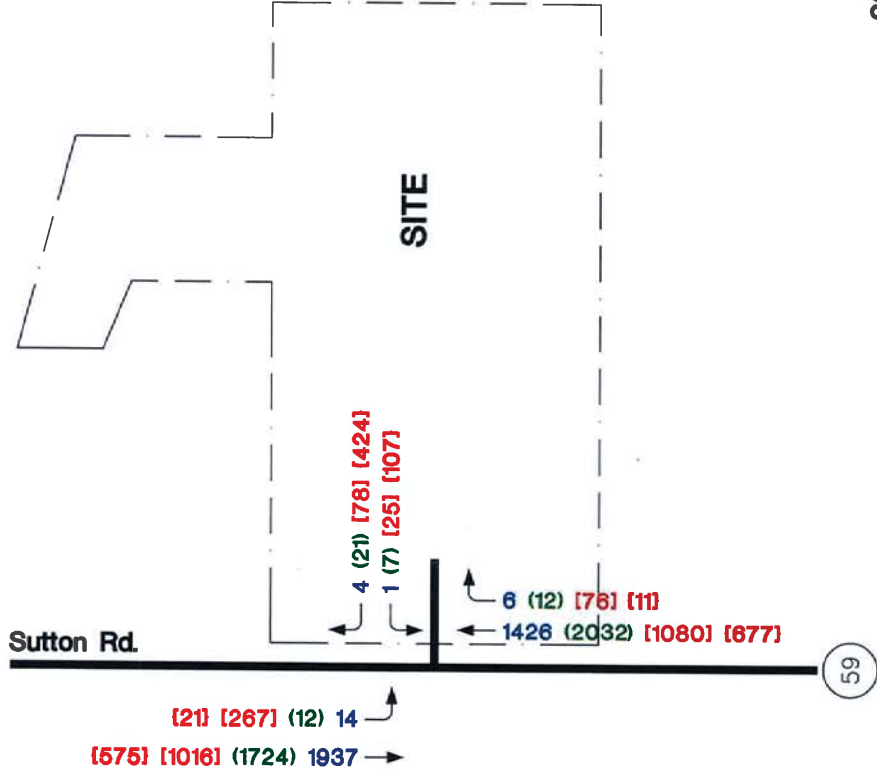


Exhibit 11

Project Parking Characteristics
BAPS Hindu Temple Expansion - Bartlett, Illinois

Service	Parking Demand ¹	Parking Occupancy	Attendance	Average Vehicle Occupancy (persons/vehicle)
Existing Parking Demand and Proposed Parking Supply				
7:00 PM	637 vehicles	78%	1,700	2.67
Future (Year 2020) Parking Demand and Proposed Parking Supply				
7:00 PM	757 vehicles	92%	2,020	2.67

¹ Represents peak parking demand observed at 6:00 PM, corresponding with the Sunday 7:00 PM Service.



Exhibit 12

Intersection Capacity Analyses

Proposed Expansion BAPS Hindu Temple - Bartlett, Illinois

Part A. Parameters - Type of Traffic Control (Source: 2010 Highway Capacity Manual)

I. Traffic Signals

II. Stop Sign

LOS	Delay (sec / veh)	Description	LOS	Delay (sec / veh)
A	≤ 10	All signal phases clear waiting vehicles without delay	A	≤ 10
B	> 10 and ≤ 20	Minimal delay experienced on select signal phases	B	> 10 and ≤ 15
C	> 20 and ≤ 35	Some delay experienced on several phases; often used as design criteria	C	> 15 and ≤ 25
D	> 35 and ≤ 55	Usually considered as the acceptable delay standard	D	> 25 and ≤ 35
E	> 55 and ≤ 80	Very long delays experienced during the peak hours	E	> 35 and ≤ 50
F	> 80	Unacceptable delays experienced throughout the peak hours	F	> 50

Part B. Results

1. IL Route 59 @ Site Access	TWSC	WB STOPS	Roadway Conditions						Intersection / Approach	Delay (sec / veh)	LOS
			LOS Per Movement By Approach		Northbound		Southbound				
				Eastbound	Westbound	LT TH RT	LT TH RT	LT TH RT	LT TH RT	Delay (sec / veh)	LOS
A. Weekday Morning Peak Hour	Existing Traffic (See Exhibit 5)	D	B	-	-	-	-	-	B	17.0	C
2020 No-Build Traffic (See Exhibit 6)	• Current	E	B	-	-	-	-	-	B	19.7	C
2020 Total Traffic (See Exhibit 10)	• Current	E	B	-	-	-	-	-	B	18.5	C
B. Weekday Evening Peak Hour	Existing Traffic (See Exhibit 5)	E	C	-	-	-	-	-	C	25.0	C
2020 No-Build Traffic (See Exhibit 6)	• Current	F	C	-	-	-	-	-	C	32.1	D
2020 Total Traffic (See Exhibit 10)	• Current	F	C	-	-	-	-	-	C	32.4	D
C. Sunday Entering (Pre-Service) Peak Hour	Existing Traffic (See Exhibit 5)	E	B	-	-	-	-	-	B	19.0	C
2020 No-Build Traffic (See Exhibit 6)	• Current	E	B	-	-	-	-	-	B	21.2	C
2020 Total Traffic (See Exhibit 10)	• Current	E	B	-	-	-	-	-	B	24.2	C
D. Sunday Exiting (Post-Service) Peak Hour	Existing Traffic (See Exhibit 5)	C	C	-	-	-	-	-	A	15.9	C
2020 No-Build Traffic (See Exhibit 6)	• Current	C	C	-	-	-	-	-	A	17.5	C
2020 Total Traffic (See Exhibit 10)	• Current	C	C	-	-	-	-	-	A	20.5	C
WB Approach Delay											

Exhibit 13

Peak Hour Gap Study

Proposed Expansion BAPS Hindu Temple - Bartlett, Illinois
 Sunday, May 3, 2015

Part A. Northbound Gap Distribution (for Left Turns In)

Gap Interval	No. of Vehicles per Gap Interval	No. Gaps	Total Effective Gaps	No. Gaps	Total Effective Gaps
6.0 to 8.1	1	37	37	26	26
8.2 to 10.3	2	14	28	33	66
10.4 to 12.5	3	21	63	22	66
12.6 to 14.7	4	12	48	22	88
14.8 to 16.9	5	11	55	11	55
17.0 to 19.1	6	7	42	9	54
19.2 to 21.3	7	1	7	10	70
>21.4	8	13	104	42	336
Total Peak Hour Gaps = 384					
Gaps in Northbound Traffic on IL Route 59					
Sunday Entering (Pre-Service)			Sunday Exiting (Post-Service)		
Peak Hour (4:00 - 5:00 PM)			Peak Hour (7:15-8:15 PM)		
Total Effective			Total Effective		

Part B. Northbound Gap Distribution (for Right Turns Out)

Gap Interval	No. of Vehicles per Gap Interval	No. Gaps	Total Effective Gaps	No. Gaps	Total Effective Gaps
7.5 to 10.7	1	23	23	46	46
10.8 to 14.0	2	28	56	31	62
14.1 to 17.3	3	15	45	22	66
17.4 to 20.6	4	6	24	13	52
20.7 to 23.9	5	4	20	16	80
24.0 to 27.2	6	7	42	14	84
27.3 to 30.5	7	0	0	3	21
>30.6	8	2	16	13	104
Total Peak Hour Gaps = 226					
Gaps in Northbound Traffic on IL Route 59					
Sunday Entering (Pre-Service)			Sunday Exiting (Post-Service)		
Peak Hour (4:00 - 5:00 PM)			Peak Hour (7:15-8:15 PM)		
Total Effective			Total Effective		

Part C. Northbound and Southbound Gap Distribution (for Left Turns Out)

Gap Interval	No. of Vehicles per Gap Interval	No. Gaps	Total Effective Gaps	No. Gaps	Total Effective Gaps
8.5 to 11.9	1	13	13	39	39
12.0 to 15.4	2	7	14	22	44
15.5 to 18.9	3	1	3	9	27
19.0 to 22.4	4	4	16	7	28
22.5 to 25.9	5	0	0	2	10
26.0 to 29.4	6	0	0	1	0
29.5 to 32.9	7	0	0	0	0
>33.0	8	0	0	2	16
Total Peak Hour Gaps = 46					
Gaps in Northbound and Southbound Traffic on IL Route 59					
Sunday Entering (Pre-Service)			Sunday Exiting (Post-Service)		
Peak Hour (4:00 - 5:00 PM)			Peak Hour (7:15-8:15 PM)		
Total Effective			Total Effective		

Part D. Gap Supply and Demand Summary

Site Access - Left Turns In		Site Access - Right Turns Out		Site Access - Left Turns Out	
Sunday Entering (Pre-Service)	Peak Hour (4:00 - 5:00 PM)	261	21	25	46
Sunday Exiting (Post-Service)	Peak Hour (7:15-8:15 PM)	384	761	107	164
Number of Vehicles		Number of Vehicles		Number of Vehicles	
Needing a Gap		Needing a Gap		Needing a Gap	
Available		Available		Available	

Source: Illinois Bureau of Design and Environment Manual, 2010 (gap acceptance time, t_g) and Highway Capacity Manual, 2010 (follow-up time, t_f)

Appendices

Appendix I
Existing Traffic Count Summaries

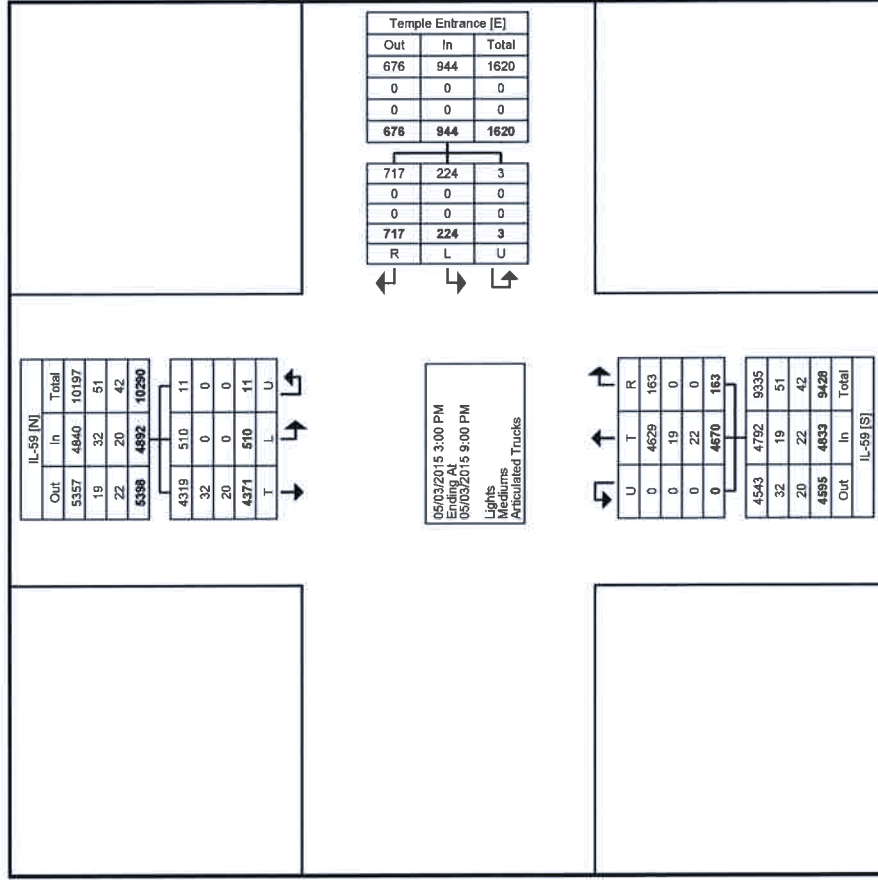
Turning Movement Data

Start Time	IL-59 Southbound				Temple Entrance Westbound				IL-59 Northbound				
	U-Turn	Left	Thru	App. Total	U-Turn	Left	Right	App. Total	U-Turn	Thru	Right	App. Total	Int. Total
	3:00 PM	0	15	219	234	0	5	7	12	0	228	12	240
3:15 PM	0	33	210	243	0	6	11	17	0	240	6	246	506
3:30 PM	0	28	233	261	0	6	12	18	0	224	11	235	514
3:45 PM	3	37	205	245	0	7	18	25	0	240	10	250	520
Hourly Total	3	113	987	983	0	24	48	72	0	932	39	971	2026
4:00 PM	1	51	225	277	0	3	16	19	0	229	16	245	541
4:15 PM	0	72	238	310	0	10	19	29	0	230	14	244	583
4:30 PM	0	61	205	266	0	5	21	26	0	213	17	230	522
4:45 PM	0	41	208	249	1	3	10	14	0	260	14	277	540
Hourly Total	1	225	878	1102	1	21	66	88	0	932	64	996	2185
5:00 PM	2	33	221	256	0	8	14	22	0	236	12	248	526
5:15 PM	1	25	207	233	0	5	11	16	0	250	8	258	507
5:30 PM	0	19	261	280	0	3	9	12	0	252	5	257	549
5:45 PM	0	17	215	232	0	8	12	20	0	193	11	204	456
Hourly Total	3	94	904	1001	0	24	46	70	0	831	38	967	2038
6:00 PM	1	13	197	211	0	3	9	12	0	214	3	217	440
6:15 PM	0	15	170	185	0	3	23	26	0	212	2	214	425
6:30 PM	0	14	191	205	2	8	24	34	0	188	2	190	429
6:45 PM	0	8	155	163	0	14	12	26	0	170	6	176	365
Hourly Total	1	50	713	784	2	28	68	98	0	784	13	797	1659
7:00 PM	0	7	203	210	0	13	37	50	0	153	1	154	414
7:15 PM	1	7	148	156	0	15	77	92	0	168	2	170	418
7:30 PM	1	5	105	111	0	24	101	125	0	142	1	143	379
7:45 PM	1	3	127	131	0	22	74	96	0	145	2	147	374
Hourly Total	3	22	583	608	0	74	289	383	0	608	6	614	1595
8:00 PM	0	3	116	119	0	29	105	134	0	129	4	133	366
8:15 PM	0	2	96	98	0	17	66	83	0	117	0	117	288
8:30 PM	0	0	120	120	0	5	19	24	0	125	0	125	269
8:45 PM	0	1	96	97	0	2	10	12	0	112	1	113	222
Hourly Total	0	6	428	434	0	53	200	253	0	483	5	488	1175
Grand Total	11	510	4371	4892	3	224	717	944	0	4670	163	4833	10669
Approach %	0.2	10.4	89.3	-	0.3	23.7	76.0	-	0.0	96.6	3.4	-	-
Total %	0.1	4.8	41.0	45.9	0.0	2.1	6.7	8.8	0.0	43.8	1.5	45.3	-
Lights	11	510	4319	4840	3	224	717	944	0	4629	163	4792	10576
% Lights	100.0	100.0	98.8	98.9	100.0	100.0	100.0	100.0	-	99.1	100.0	99.2	99.1
Mediums	0	0	32	32	0	0	0	0	0	19	0	19	51
% Mediums	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	-	0.4	0.0	0.4	0.5
Articulated Trucks	0	0	20	20	0	0	0	0	0	22	0	22	42
% Articulated Trucks	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	-	0.5	0.0	0.5	0.4

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Count Name: IL-59 and Hindu Temple Entrance
 Weekend
 Site Code:
 Start Date: 05/03/2015
 Page No: 2

5003.902 Bartlett, IL
 IL-59 and Hindu Temple Weekrmd
 6-hr
 GHA MIO



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5003.902 Bartlett, IL
 IL-59 and Hindu Temple Weeknd
 6-hr
 GHA MIO

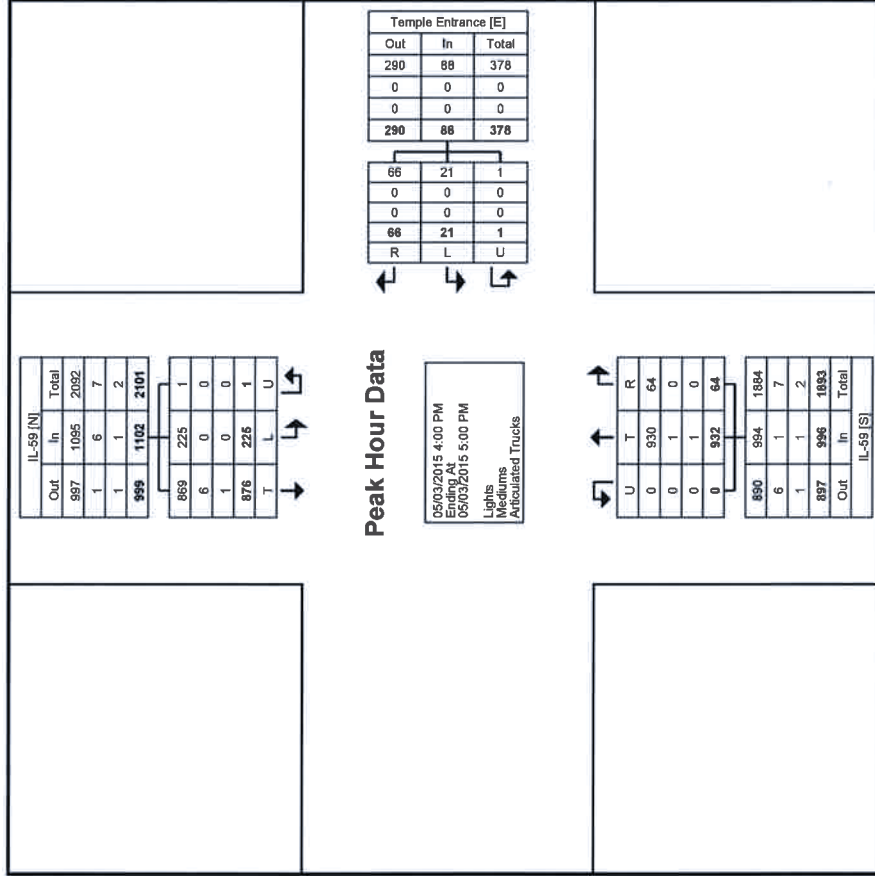
Turning Movement Peak Hour Data (4:00 PM)

Start Time	IL-59 Southbound				Temple Entrance Westbound				IL-59 Northbound				
	U-Turn	Left	Thru	App. Total	U-Turn	Left	Right	App. Total	U-Turn	Thru	Right	App. Total	Int. Total
4:00 PM	1	51	225	277	0	3	16	19	0	229	16	245	541
4:15 PM	0	72	238	310	0	10	19	29	0	230	14	244	583
4:30 PM	0	61	205	266	0	5	21	26	0	213	17	230	522
4:45 PM	0	41	208	249	1	3	10	14	0	260	17	277	540
Total	1	225	876	1102	1	21	66	88	0	932	64	996	2186
Approach %	0.1	20.4	79.5	-	1.1	23.9	75.0	-	0.0	83.6	6.4	-	-
Total %	0.0	10.3	40.1	50.4	0.0	1.0	3.0	4.0	0.0	42.6	2.9	45.6	-
PHF	0.250	0.781	0.920	0.889	0.250	0.525	0.786	0.759	0.000	0.896	0.941	0.899	0.937
Lights	1	225	869	1095	1	21	66	88	0	930	64	994	2177
% Lights	100.0	100.0	99.2	99.4	100.0	100.0	100.0	100.0	-	99.8	100.0	99.8	99.6
Mediums	0	0	6	6	0	0	0	0	0	1	0	1	7
% Mediums	0.0	0.0	0.7	0.5	0.0	0.0	0.0	0.0	-	0.1	0.0	0.1	0.3
Articulated Trucks	0	0	1	1	0	0	0	0	0	1	0	1	2
% Articulated Trucks	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-	0.1	0.0	0.1	0.1

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 Weekend
 Site Code:
 Start Date: 05/03/2015
 Page No: 4

5003.902 Bartlett, IL
 IL-59 and Hindu Temple Weekmd
 6-hr
 GHA MIO



Turning Movement Peak Hour Data Plot (4:00 PM)

Turning Movement Data

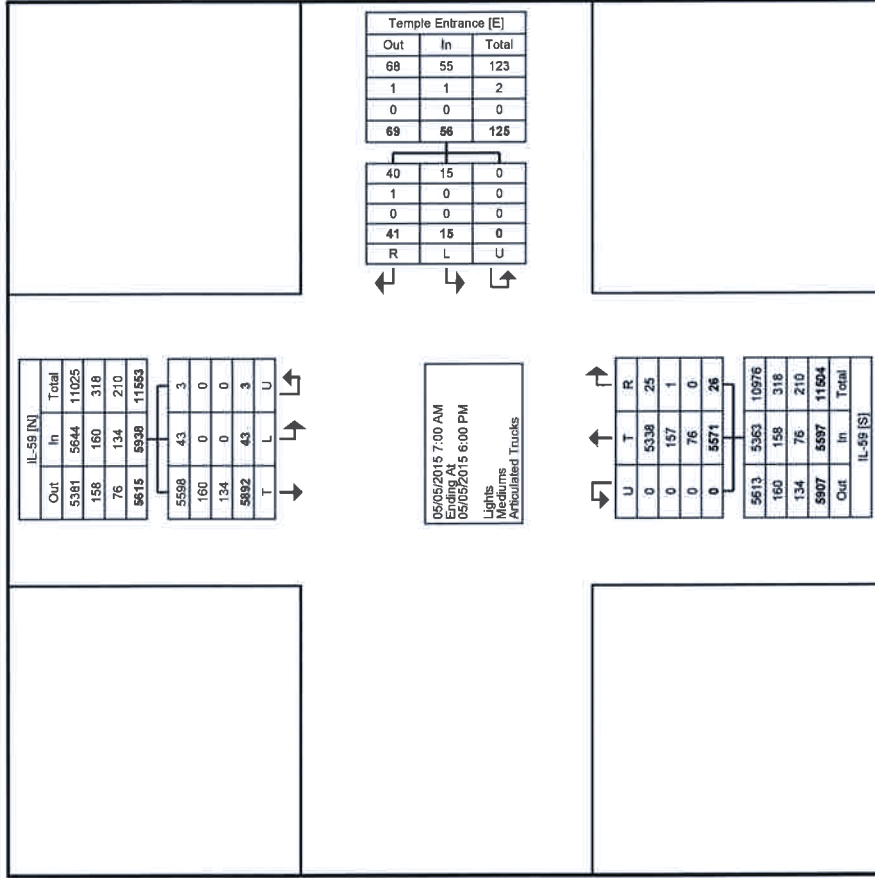
Start Time	IL-59 Southbound				Temple Entrance Westbound				IL-59 Northbound				
	U-Turn	Left	Thru	App. Total	U-Turn	Left	Right	App. Total	U-Turn	Thru	Right	App. Total	Int. Total
7:00 AM	0	2	397	399	0	0	0	0	0	300	1	301	700
7:15 AM	0	7	424	431	0	0	0	0	0	329	3	332	763
7:30 AM	0	2	434	436	0	0	1	1	0	291	0	291	728
7:45 AM	0	1	416	417	0	1	2	3	0	310	1	311	731
Hourly Total	0	12	1671	1683	0	1	3	4	0	1230	5	1235	2922
8:00 AM	0	0	382	382	0	3	3	6	0	312	0	312	700
8:15 AM	0	1	372	373	0	0	3	3	0	254	1	255	631
8:30 AM	0	4	378	382	0	0	2	2	0	282	0	282	666
8:45 AM	1	4	274	279	0	0	0	0	0	215	0	215	494
Hourly Total	1	9	1406	1416	0	3	6	11	0	1063	1	1064	2491
*** BREAK ***													
4:00 PM	1	4	276	281	0	2	4	6	0	337	2	339	626
4:15 PM	0	2	347	349	0	0	3	3	0	392	1	393	745
4:30 PM	0	2	361	363	0	1	2	3	0	401	2	403	769
4:45 PM	0	0	333	333	0	2	5	7	0	449	3	452	792
Hourly Total	1	6	1317	1328	0	5	14	19	0	1579	8	1587	2932
5:00 PM	0	2	368	390	0	0	4	4	0	435	5	440	834
5:15 PM	0	4	384	388	0	3	5	8	0	467	1	468	864
5:30 PM	0	4	382	386	0	1	4	5	0	402	1	403	794
5:45 PM	1	4	344	349	0	2	3	5	0	395	5	400	754
Hourly Total	1	14	1488	1513	0	6	16	22	0	1689	12	1711	3245
Grand Total	3	43	5852	5938	0	15	41	56	0	5571	26	5597	11591
Approach %	0.1	0.7	98.2	-	0.0	26.8	73.2	-	0.0	99.5	0.5	-	-
Total %	0.0	0.4	50.8	51.2	0.0	0.1	0.4	0.5	0.0	0.4	0.2	48.3	-
Lights	3	43	5598	5644	0	15	40	55	0	5338	25	5363	11062
% Lights	100.0	100.0	95.0	95.0	-	100.0	97.6	98.2	-	95.8	96.2	95.8	95.4
Mediums	0	0	160	160	0	0	1	1	0	157	1	158	319
% Mediums	0.0	0.0	2.7	2.7	-	0.0	2.4	1.8	-	2.8	3.8	2.8	2.8
Articulated Trucks	0	0	134	134	0	0	0	0	0	76	0	76	210
% Articulated Trucks	0.0	0.0	2.3	2.3	-	0.0	0.0	0.0	-	1.4	0.0	1.4	1.8

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Count Name: IL-59 and Hindu Temple Entrance
Weekday
Site Code:
Start Date: 05/05/2015
Page No: 2

5003.902 Bartlett, IL
IL-59 and Hindu Temple Weekday
4-hr
GHA MIO



Turning Movement Data Plot

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Count Name: IL-59 and Hindu Temple Entrance
 Weekday
 Site Code:
 Start Date: 05/05/2015
 Page No: 3

5003.902 Bartlett, IL
 IL-59 and Hindu Temple Weekday
 4-hr
 GHA MIO

Turning Movement Peak Hour Data (7:00 AM)

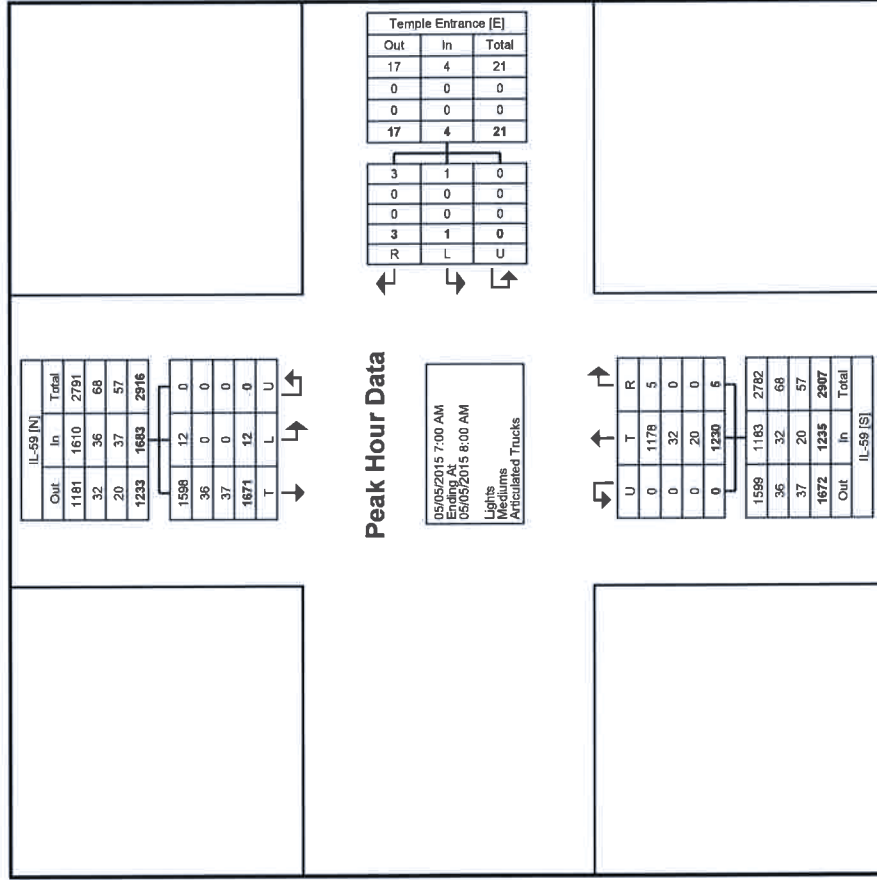
Start Time	IL-59 Southbound				Temple Entrance Westbound				IL-59 Northbound				
	U-Turn	Left	Thru	App. Total	U-Turn	Left	Right	App. Total	U-Turn	Thru	Right	App. Total	Int. Total
7:00 AM	0	2	397	399	0	0	0	0	0	300	1	301	700
7:15 AM	0	7	424	431	0	0	0	0	0	329	3	332	763
7:30 AM	0	2	434	436	0	0	1	1	0	291	0	291	728
7:45 AM	0	1	416	417	0	1	2	3	0	310	1	311	731
Total	0	12	1671	1683	0	1	3	4	0	1230	5	1235	2922
Approach %	0.0	0.7	99.3	-	0.0	25.0	75.0	-	0.0	99.6	0.4	-	-
Total %	0.0	0.4	57.2	57.6	0.0	0.0	0.1	0.1	0.0	42.1	0.2	42.3	-
PHF	0.000	0.429	0.963	0.965	0.000	0.250	0.375	0.333	0.000	0.935	0.417	0.930	0.957
Lights	0	12	1598	1610	0	1	3	4	0	1178	5	1183	2797
% Lights	-	100.0	95.6	95.7	-	100.0	100.0	100.0	-	95.8	100.0	95.8	95.7
Mediums	0	0	36	36	0	0	0	0	0	32	0	32	68
% Mediums	-	0.0	2.2	2.1	-	0.0	0.0	0.0	-	2.6	0.0	2.6	2.3
Articulated Trucks	0	0	37	37	0	0	0	0	0	20	0	20	57
% Articulated Trucks	-	0.0	2.2	2.2	-	0.0	0.0	0.0	-	1.6	0.0	1.6	2.0

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Count Name: IL-59 and Hindu Temple Entrance
Weekday
Site Code:
Start Date: 05/05/2015
Page No. 4

5003.902 Bartlett, IL
IL-59 and Hindu Temple Weekday
4-hr
GHA MIO



Turning Movement Peak Hour Data Plot (7:00 AM)

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Count Name: IL-59 and Hindu Temple Entrance
 Weekday
 Site Code:
 Start Date: 05/05/2015
 Page No: 5

5003 902 Bartlett, IL
 IL-59 and Hindu Temple Weekday
 4-hr
 GHA MIO

Turning Movement Peak Hour Data (4:45 PM)

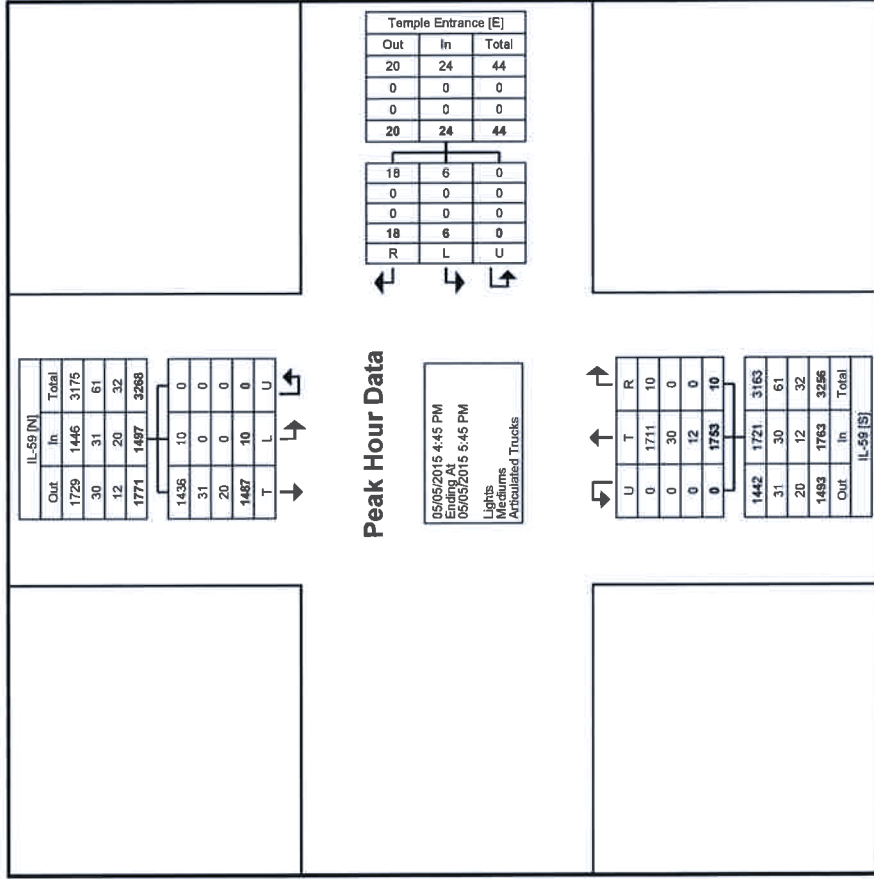
Start Time	IL-59 Southbound				Temple Entrance Westbound				IL-59 Northbound				
	U-Turn	Left	Thru	App. Total	U-Turn	Left	Right	App. Total	U-Turn	Thru	Right	App. Total	Int. Total
4:45 PM	0	0	333	333	0	2	5	7	0	449	3	452	792
5:00 PM	0	2	388	390	0	0	4	4	0	435	5	440	834
5:15 PM	0	4	384	388	0	3	5	8	0	467	1	468	964
5:30 PM	0	4	382	386	0	1	4	5	0	402	1	403	794
Total	0	10	1487	1497	0	6	18	24	0	1753	10	1763	3254
Approach %	0.0	0.7	99.3	-	0.0	25.0	75.0	-	0.0	99.4	0.6	-	-
Total %	0.0	0.3	45.3	45.6	0.0	0.2	0.5	0.7	0.0	53.4	0.3	53.7	-
PHF	0.000	0.625	0.958	0.960	0.000	0.500	0.900	0.750	0.000	0.938	0.500	0.942	0.950
% Lights	0	10	1436	1446	0	6	18	24	0	1711	10	1721	3191
% Mediums	0	0	31	31	0	0	0	0	0	30	0	30	61
% Articulated Trucks	0	0	20	20	0	0	0	0	0	12	0	12	19
% Articulated Trucks	-	0.0	1.3	1.3	-	0.0	0.0	0.0	-	0.7	0.0	0.7	1.0

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Count Name: IL-59 and Hindu Temple Entrance
Weekday
Site Code:
Start Date: 05/05/2015
Page No: 6

5003.902 Bartlett, IL
IL-59 and Hindu Temple Weekday
4-hr
GHA MIO



Turning Movement Peak Hour Data Plot (4:45 PM)

Appendix II
Membership Growth Calculations

Appendix III
Capacity Analysis Worksheets

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	Existing Conditions
Analysis Time Period	Weekday AM Peak		

Project Description 5003.900		North/South Street: IL Route 59
East/West Street: Site Access	Study Period (hrs): 0.25	
Intersection Orientation: North-South		

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		1230	5	12	1671	
Peak-Hour Factor, PHF	1.00	0.96	0.96	0.96	0.96	1.00
Hourly Flow Rate, HFR (veh/h)	0	1281	5	12	1740	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				1		3
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.96	1.00	0.96
Hourly Flow Rate, HFR (veh/h)	0	0	0	1	0	3
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		12	1		3			
C (m) (veh/h)		546	144		477			
v/c		0.02	0.01		0.01			
95% queue length		0.07	0.02		0.02			
Control Delay (s/veh)		11.7	30.2		12.6			
LOS		B	D		B			
Approach Delay (s/veh)	--	--	17.0					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	Existing Conditions
Analysis Time Period	Weekday PM Peak		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments						
Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)		1753	10	10	1487	
Peak-Hour Factor, PHF	1.00	0.95	0.95	0.95	0.95	1.00
Hourly Flow Rate, HFR (veh/h)	0	1845	10	10	1565	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)				6		18
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	0.95
Hourly Flow Rate, HFR (veh/h)	0	0	0	6	0	18
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		10	6		18			
C (m) (veh/h)		331	86		328			
v/c		0.03	0.07		0.05			
95% queue length		0.09	0.22		0.17			
Control Delay (s/veh)		16.2	50.0		16.6			
LOS		C	E		C			
Approach Delay (s/veh)	--	--	25.0					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	Existing Conditions
Analysis Time Period	Sunday Entering		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		932	64	225		
Peak-Hour Factor, PHF	1.00	0.94	0.94	0.94	0.94	1.00
Hourly Flow Rate, HFR (veh/h)	0	991	68	239	1080	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				21		66
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.94	1.00	0.94
Hourly Flow Rate, HFR (veh/h)	0	0	0	22	0	70
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach	N			N		
Storage	0			0		
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
	1	4	7	8	9	10	11	12
Movement								
Lane Configuration		L	L		R			
v (veh/h)		239	22		70			
C (m) (veh/h)		665	125		553			
v/c		0.36	0.18		0.13			
95% queue length		1.63	0.61		0.43			
Control Delay (s/veh)		13.4	39.9		12.5			
LOS		B	E		B			
Approach Delay (s/veh)	--	--	19.0					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	Existing Conditions
Analysis Time Period	Sunday Exiting		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments						
Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)		584	9	18		
Peak-Hour Factor, PHF	1.00	0.93	0.93	0.93	0.93	1.00
Hourly Flow Rate, HFR (veh/h)	0	627	9	19	618	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)				90		357
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.93	1.00	0.93
Hourly Flow Rate, HFR (veh/h)	0	0	0	96	0	383
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)		0			0	
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		19	96		383			
C (m) (veh/h)		957	370		727			
v/c		0.02	0.26		0.53			
95% queue length		0.06	1.02		3.11			
Control Delay (s/veh)		8.8	18.1		15.3			
LOS		A	C		C			
Approach Delay (s/veh)	--	--	15.9					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information			Site Information					
Analyst	GHA		Intersection	IL 59 at Site Access				
Agency/Co.	GHA		Jurisdiction	IDOT				
Date Performed	6/4/2015		Analysis Year	2020 No-Build				
Analysis Time Period	Weekday AM Peak							
Project Description 5003.900			North/South Street: IL Route 59					
East/West Street: Site Access			Study Period (hrs): 0.25					
Intersection Orientation: North-South								
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)		1426	5	12	1937			
Peak-Hour Factor, PHF	1.00	0.96	0.96	0.96	0.96	1.00		
Hourly Flow Rate, HFR (veh/h)	0	1485	5	12	2017	0		
Percent Heavy Vehicles	0	--	--	0	--	--		
Median Type	Raised curb							
RT Channelized			0			0		
Lanes	0	2	0	1	2	0		
Configuration		T	TR	L	T			
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				1		3		
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.96	1.00	0.96		
Hourly Flow Rate, HFR (veh/h)	0	0	0	1	0	3		
Percent Heavy Vehicles	0	0	0	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	1	0	1		
Configuration				L		R		
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		12	1		3			
C (m) (veh/h)		457	111		417			
v/c		0.03	0.01		0.01			
95% queue length		0.08	0.03		0.02			
Control Delay (s/veh)		13.1	37.7		13.7			
LOS		B	E		B			
Approach Delay (s/veh)	--	--	19.7					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information			Site Information					
Analyst	GHA		Intersection	IL 59 at Site Access				
Agency/Co.	GHA		Jurisdiction	IDOT				
Date Performed	6/4/2015		Analysis Year	2020 No-Build				
Analysis Time Period	Weekday PM Peak							
Project Description 5003.900								
East/West Street: Site Access			North/South Street: IL Route 59					
Intersection Orientation: North-South			Study Period (hrs): 0.25					
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)		2032	10	10	1724			
Peak-Hour Factor, PHF	1.00	0.95	0.95	0.95	0.95	1.00		
Hourly Flow Rate, HFR (veh/h)	0	2138	10	10	1814	0		
Percent Heavy Vehicles	0	--	--	0	--	--		
Median Type	Raised curb							
RT Channelized			0			0		
Lanes	0	2	0	1	2	0		
Configuration		T	TR	L	T			
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				6		18		
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	0.95		
Hourly Flow Rate, HFR (veh/h)	0	0	0	6	0	18		
Percent Heavy Vehicles	0	0	0	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	1	0	1		
Configuration				L		R		
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		10	6		18			
C (m) (veh/h)		255	61		270			
v/c		0.04	0.10		0.07			
95% queue length		0.12	0.31		0.21			
Control Delay (s/veh)		19.7	70.4		19.3			
LOS		C	F		C			
Approach Delay (s/veh)	--	--	32.1					
Approach LOS	--	--	D					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 No-Build
Analysis Time Period	Sunday Entering		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		1080	64	225	1016	
Peak-Hour Factor, PHF	1.00	0.94	0.94	0.94	0.94	1.00
Hourly Flow Rate, HFR (veh/h)	0	1148	68	239	1080	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				21		66
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.94	1.00	0.94
Hourly Flow Rate, HFR (veh/h)	0	0	0	22	0	70
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		239	22		70			
C (m) (veh/h)		581	109		499			
v/c		0.41	0.20		0.14			
95% queue length		2.00	0.71		0.49			
Control Delay (s/veh)		15.5	46.2		13.4			
LOS		C	E		B			
Approach Delay (s/veh)	--	--	21.2					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 No-Build
Analysis Time Period	Sunday Exiting		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		677	9	18	575	
Peak-Hour Factor, PHF	1.00	0.93	0.93	0.93	0.93	1.00
Hourly Flow Rate, HFR (veh/h)	0	727	9	19	618	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				90		357
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.93	1.00	0.93
Hourly Flow Rate, HFR (veh/h)	0	0	0	96	0	383
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach	N			N		
Storage	0			0		
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
	1	4	7	8	9	10	11	12
Movement								
Lane Configuration		L	L		R			
v (veh/h)		19	96		383			
C (m) (veh/h)		879	334		682			
v/c		0.02	0.29		0.56			
95% queue length		0.07	1.16		3.51			
Control Delay (s/veh)		9.2	20.1		16.8			
LOS		A	C		C			
Approach Delay (s/veh)	--	--	17.5					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 Total Traffic
Analysis Time Period	Weekday AM Peak		
Project Description 5003.900		North/South Street: IL Route 59	
East/West Street: Site Access		Intersection Orientation: North-South	
		Study Period (hrs): 0.25	

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound			
	Movement	1	2	3	4	5	6
		L	T	R	L	T	R
Volume (veh/h)			1426	6	14	1937	
Peak-Hour Factor, PHF		1.00	0.96	0.96	0.96	0.96	1.00
Hourly Flow Rate, HFR (veh/h)		0	1485	6	14	2017	0
Percent Heavy Vehicles		0	--	--	0	--	--
Median Type	Raised curb						
RT Channelized				0			0
Lanes		0	2	0	1	2	0
Configuration			T	TR	L	T	
Upstream Signal			0			0	

Minor Street	Eastbound			Westbound			
	Movement	7	8	9	10	11	12
		L	T	R	L	T	R
Volume (veh/h)					1		4
Peak-Hour Factor, PHF		1.00	1.00	1.00	0.96	1.00	0.96
Hourly Flow Rate, HFR (veh/h)		0	0	0	1	0	4
Percent Heavy Vehicles		0	0	0	0	0	0
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized				0			0
Lanes		0	0	0	1	0	1
Configuration					L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound			
	Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R				
v (veh/h)		14	1		4				
C (m) (veh/h)		456	111		417				
v/c		0.03	0.01		0.01				
95% queue length		0.09	0.03		0.03				
Control Delay (s/veh)		13.1	37.7		13.7				
LOS		B	E		B				
Approach Delay (s/veh)	--	--	18.5						
Approach LOS	--	--	C						

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 Total Traffic
Analysis Time Period	Weekday PM Peak		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments						
Major Street	Northbound			Southbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)		2032	12	12	1724	
Peak-Hour Factor, PHF	1.00	0.95	0.95	0.95	0.95	1.00
Hourly Flow Rate, HFR (veh/h)	0	2138	12	12	1814	0
Percent Heavy Vehicles	0	--	-	0	-	-
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)				7		21
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	0.95
Hourly Flow Rate, HFR (veh/h)	0	0	0	7	0	22
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		12	7		22			
C (m) (veh/h)		254	60		269			
v/c		0.05	0.12		0.08			
95% queue length		0.15	0.38		0.26			
Control Delay (s/veh)		19.9	72.8		19.6			
LOS		C	F		C			
Approach Delay (s/veh)	--	--	32.4					
Approach LOS	--	--	D					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 Total Traffic
Analysis Time Period	Sunday Entering		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		1080	76	261	1016	
Peak-Hour Factor, PHF	1.00	0.94	0.94	0.94	0.94	1.00
Hourly Flow Rate, HFR (veh/h)	0	1148	80	277	1080	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				25		78
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.94	1.00	0.94
Hourly Flow Rate, HFR (veh/h)	0	0	0	26	0	82
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		277	26		82			
C (m) (veh/h)		575	94		496			
v/c		0.48	0.28		0.17			
95% queue length		2.61	1.02		0.59			
Control Delay (s/veh)		16.9	57.3		13.7			
LOS		C	F		B			
Approach Delay (s/veh)	--	--	24.2					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	GHA	Intersection	IL 59 at Site Access
Agency/Co.	GHA	Jurisdiction	IDOT
Date Performed	6/4/2015	Analysis Year	2020 Total Traffic
Analysis Time Period	Sunday Exiting		

Project Description 5003.900	
East/West Street: Site Access	North/South Street: IL Route 59
Intersection Orientation: North-South	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Northbound			Southbound		
	1	2	3	4	5	6
Movement	L	T	R	L	T	R
Volume (veh/h)		677	11	21	575	
Peak-Hour Factor, PHF	1.00	0.93	0.93	0.93	0.93	1.00
Hourly Flow Rate, HFR (veh/h)	0	727	11	22	618	0
Percent Heavy Vehicles	0	--	--	0	--	--
Median Type	Raised curb					
RT Channelized			0			0
Lanes	0	2	0	1	2	0
Configuration		T	TR	L	T	
Upstream Signal		0			0	

Minor Street	Eastbound			Westbound		
	7	8	9	10	11	12
Movement	L	T	R	L	T	R
Volume (veh/h)				107		424
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.93	1.00	0.93
Hourly Flow Rate, HFR (veh/h)	0	0	0	115	0	455
Percent Heavy Vehicles	0	0	0	0	0	0
Percent Grade (%)	0			0		
Flared Approach		N			N	
Storage		0			0	
RT Channelized			0			0
Lanes	0	0	0	1	0	1
Configuration				L		R

Delay, Queue Length, and Level of Service

Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		L	L		R			
v (veh/h)		22	115		455			
C (m) (veh/h)		877	332		681			
v/c		0.03	0.35		0.67			
95% queue length		0.08	1.51		5.11			
Control Delay (s/veh)		9.2	21.5		20.3			
LOS		A	C		C			
Approach Delay (s/veh)	--	--	20.5					
Approach LOS	--	--	C					

Appendix IV
Gap Study Summary

Combined Direction (Southbound)

Start Time	2.0-3.0	3.0-4.0	4.0-5.0	5.0-6.0	6.0-7.0	7.0-8.0	8.0-9.0	9.0-10.0	10.0-11.0	11.0-12.0	12.0-13.0	13.0-14.0	14.0-15.0	15.0-16.0	16.0-17.0	17.0-18.0	18.0-19.0	19.0-20.0	20.0-21.0	21.0-22.0	22.0-23.0	23.0-24.0	24.0-25.0	25.0-26.0	26.0-27.0	27.0-28.0	28.0-29.0	Total	
3:00 PM	46	22	10	12	5	4	2	2	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111
3:15 PM	56	24	24	10	3	1	3	1	0	1	1	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	128
3:30 PM	38	20	7	7	3	2	4	1	3	2	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	96
3:45 PM	46	22	11	12	8	5	1	1	4	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115
4:00 PM	40	19	10	12	8	1	7	2	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	103
4:15 PM	42	20	11	7	7	3	0	1	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
4:30 PM	52	14	13	6	2	0	2	0	2	2	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	97
4:45 PM	38	21	20	15	3	5	0	1	1	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	108
5:00 PM	45	24	10	7	6	3	3	0	1	4	0	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	107
5:15 PM	44	24	13	16	4	5	9	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	119
5:30 PM	29	22	16	4	6	8	2	1	3	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	94
5:45 PM	52	12	15	11	8	6	5	2	2	3	2	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	122
6:00 PM	54	27	15	10	8	4	3	3	3	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133
6:15 PM	50	22	9	12	5	5	3	1	2	1	2	2	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	118
6:30 PM	42	19	18	12	11	6	3	5	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
6:45 PM	33	18	7	6	8	7	2	1	1	1	5	1	0	1	1	3	1	1	1	0	0	0	0	0	0	1	0	1	99
7:00 PM	36	29	10	7	3	0	5	4	2	2	1	3	1	4	0	1	1	1	0	0	1	0	0	0	0	0	0	0	111
7:15 PM	48	24	13	13	7	4	5	3	4	0	1	3	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	128
7:30 PM	29	20	20	10	7	3	3	5	3	1	2	1	1	1	1	1	1	1	0	2	2	1	0	0	0	0	0	0	115
7:45 PM	32	26	10	8	10	5	7	6	3	3	3	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	120
8:00 PM	33	23	21	7	3	9	4	5	3	3	2	2	1	1	2	0	1	1	0	2	2	1	0	0	0	0	0	0	123
8:15 PM	20	15	13	8	5	7	2	7	5	5	1	5	1	2	3	0	1	1	0	0	1	0	1	0	0	0	0	0	103
8:30 PM	37	17	13	11	10	5	5	5	3	3	4	1	1	2	4	0	1	0	0	1	0	0	0	0	0	0	0	0	123
8:45 PM	22	18	9	11	6	9	7	3	3	3	4	2	4	2	1	1	1	2	0	0	0	0	0	0	0	0	0	0	109
Total	964	502	318	234	150	108	85	63	50	47	39	34	14	24	16	8	9	10	2	3	8	1	1	1	1	1	1	6	2699
Total %	35.7	18.6	11.8	8.7	5.6	4.0	3.1	2.3	1.9	1.7	1.4	1.3	0.5	0.9	0.6	0.3	0.3	0.4	0.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	100.0

5003.902 Bartlett, IL
 IL-59 and Hindu Temple Entrance
 6-hr
 GHA MIO

Gewait Hamilton Associates Inc.
 625 Forest Edge Drive
 Vernon Hills, Illinois, United States 60061
 (847) 478-9700 lmeans@gha-engineers.com

Count Name: IL-59 and Hindu Temple Entrance
 GAP
 Site Code:
 Start Date: 05/03/2015
 Page No: 2

Southbound (Southbound)

Start Time	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200	200-210	210-220	220-230	230-240	240-250	250-260	260-270	270-280	280-290	Total		
3:00 PM	30	9	6	7	4	7	5	1	0	1	3	0	1	4	1	0	2	1	1	1	1	0	1	0	0	0	0	0	3	89
3:15 PM	19	11	12	3	4	6	2	6	2	2	2	1	2	1	1	2	0	1	3	1	1	0	0	0	0	0	0	0	3	86
3:30 PM	25	8	6	4	5	7	4	4	2	5	0	0	1	2	0	0	1	0	2	0	0	1	2	0	0	0	0	0	4	83
3:45 PM	25	16	13	7	9	9	1	2	5	1	3	2	3	0	0	1	1	0	2	0	0	0	0	0	0	0	0	3	103	
4:00 PM	22	9	7	6	6	4	7	3	0	1	2	3	0	0	0	2	0	2	0	0	2	1	0	2	0	2	0	4	83	
4:15 PM	21	9	6	2	5	7	1	3	0	3	0	2	2	0	0	1	0	1	2	0	0	2	0	1	1	0	1	0	4	74
4:30 PM	28	15	4	8	2	3	3	4	3	2	2	1	2	2	3	0	0	1	2	1	1	0	0	0	0	0	0	3	90	
4:45 PM	29	15	11	6	6	7	2	2	1	3	1	0	1	1	1	3	0	1	1	2	0	0	0	0	1	0	0	3	99	
5:00 PM	22	19	9	7	8	3	1	3	0	1	3	0	2	3	1	0	1	3	0	1	0	0	2	0	2	0	0	3	92	
5:15 PM	30	11	9	11	6	4	2	2	3	1	2	2	2	1	0	0	0	0	1	0	0	1	0	1	0	0	1	5	95	
5:30 PM	19	20	18	6	4	4	0	1	1	2	3	2	0	0	0	1	0	3	3	1	1	0	0	0	0	0	2	2	93	
5:45 PM	29	10	9	10	4	5	6	2	3	5	1	2	0	1	3	1	2	0	0	1	0	0	0	0	0	0	1	1	3	99
6:00 PM	31	15	7	8	3	2	2	2	5	1	1	1	1	4	0	3	0	0	0	3	1	0	0	1	0	1	0	0	3	95
6:15 PM	31	12	10	11	4	3	1	1	0	3	3	1	2	3	2	0	3	0	0	0	1	2	1	0	0	0	0	0	3	97
6:30 PM	25	6	12	3	10	5	3	5	1	3	2	2	2	0	1	3	0	2	0	2	0	1	3	0	0	0	0	2	93	
6:45 PM	17	15	3	2	2	2	3	3	1	2	4	1	0	1	0	2	1	1	2	0	2	1	0	1	1	0	1	0	5	72
7:00 PM	18	10	6	6	1	1	4	1	0	1	2	3	2	4	1	1	0	2	2	1	0	1	0	1	0	0	0	1	6	74
7:15 PM	24	11	8	8	3	1	6	4	1	5	1	1	3	0	2	1	2	0	3	1	0	0	0	0	0	0	1	0	4	90
7:30 PM	20	10	13	4	2	2	3	2	3	0	6	0	4	4	2	1	2	0	1	0	0	0	1	0	0	0	0	0	5	83
7:45 PM	13	11	7	6	5	5	6	7	3	0	1	0	1	3	2	0	0	2	1	0	1	2	1	1	1	1	0	4	83	
8:00 PM	20	14	11	4	4	9	3	2	5	1	3	0	0	2	3	0	1	1	2	2	0	1	0	1	1	0	1	0	4	94
8:15 PM	12	4	7	5	1	7	1	2	2	3	1	4	1	1	0	1	1	0	3	1	0	0	1	2	1	2	1	0	7	68
8:30 PM	14	10	9	6	3	2	1	2	0	2	6	3	1	4	2	0	1	2	0	0	1	1	0	0	1	1	0	1	5	77
8:45 PM	8	6	7	2	4	7	7	3	1	2	3	0	1	1	3	2	1	1	1	0	0	2	0	1	0	1	0	0	7	70
Total	532	276	210	144	105	112	74	67	39	54	55	31	34	42	29	17	26	30	18	13	16	12	11	8	6	95	2081			
Total %	25.6	13.3	10.1	6.9	5.0	5.4	3.6	3.2	1.9	2.6	2.6	1.5	1.6	2.0	1.4	1.2	0.8	1.2	1.4	0.9	0.6	0.8	0.6	0.5	0.4	0.3	4.6	100.0		

Northbound (Northbound)

Start Time	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200	200-210	210-220	220-230	230-240	240-250	250-260	260-270	270-280	280-290	Total				
3:00 PM	27	15	7	5	5	5	5	3	2	1	4	3	3	1	2	1	1	1	0	1	0	0	1	0	0	0	0	0	2	97		
3:15 PM	35	16	15	12	4	4	4	4	3	3	1	2	4	1	2	0	0	0	1	1	1	0	0	0	0	0	0	0	1	113		
3:30 PM	30	13	7	12	3	3	4	4	1	3	3	4	0	2	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	56		
3:45 PM	20	9	7	11	5	5	7	0	1	2	2	0	2	3	3	1	0	2	1	0	2	0	0	0	0	0	0	0	2	85		
4:00 PM	33	16	8	8	0	4	1	1	4	1	2	1	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	98		
4:15 PM	31	20	13	7	2	1	1	1	1	1	2	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	0	0	93		
4:30 PM	34	14	13	7	4	5	3	2	2	4	2	2	0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	97	
4:45 PM	20	13	15	6	5	4	3	0	1	3	2	3	1	4	0	0	2	0	0	0	0	2	0	1	0	0	1	1	0	1	87	
5:00 PM	28	15	10	4	7	3	7	2	3	1	1	0	2	2	0	1	1	2	2	0	1	2	0	1	0	1	0	1	0	1	95	
5:15 PM	25	11	13	5	4	8	7	4	0	3	1	0	2	3	3	1	2	0	0	0	0	1	0	0	1	1	1	1	0	96		
5:30 PM	20	14	12	7	5	7	4	0	3	1	0	2	3	3	1	2	0	1	1	0	0	1	0	0	1	0	0	0	0	1	88	
5:45 PM	18	6	8	7	5	2	6	0	1	2	5	0	2	2	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	4	72	
6:00 PM	22	22	3	7	4	4	3	1	1	2	1	1	1	1	3	3	1	1	1	1	1	0	0	0	3	0	1	0	2	95		
6:15 PM	28	16	5	6	7	1	4	1	2	3	2	1	1	1	1	2	0	1	0	1	1	1	1	1	0	0	0	0	4	89		
6:30 PM	19	12	14	8	5	4	1	4	2	1	0	5	1	1	5	0	3	1	2	1	2	2	2	0	0	0	0	0	0	5	73	
6:45 PM	10	13	6	7	3	5	1	1	4	1	1	0	1	1	2	2	2	2	1	1	2	2	2	0	0	0	0	0	0	4	93	
7:00 PM	25	17	8	3	7	2	2	5	1	2	2	3	2	2	0	1	1	2	0	0	0	1	2	0	1	2	0	1	4	0	1	94
7:15 PM	17	19	7	5	4	2	4	6	3	2	2	4	2	1	2	1	0	0	1	2	0	1	2	0	1	0	0	1	0	4	90	
7:30 PM	11	7	4	3	4	1	3	2	5	2	0	2	3	4	0	1	1	2	1	1	1	2	4	0	0	0	0	0	2	3	69	
7:45 PM	20	10	4	2	0	9	5	2	0	1	4	2	2	2	1	2	2	0	0	2	1	0	3	1	2	1	2	1	2	80		
8:00 PM	13	5	9	3	2	1	4	7	2	3	5	1	2	1	0	1	0	1	0	1	3	1	2	2	1	2	0	0	4	75		
8:15 PM	10	5	7	4	5	2	3	2	1	2	2	0	2	4	2	1	2	1	1	0	1	0	1	0	2	0	1	1	6	67		
8:30 PM	18	9	9	5	5	0	3	3	2	4	3	2	3	2	4	0	4	0	0	0	0	0	0	2	1	0	1	0	1	5	85	
8:45 PM	10	9	3	5	2	2	5	3	6	1	2	2	3	1	1	0	1	0	1	1	2	2	3	0	0	0	0	0	2	5	71	
Total	522	310	207	151	113	81	91	58	51	48	54	46	42	43	37	27	26	18	16	16	16	16	21	21	8	16	8	54	2101			
Total %	24.8	14.8	9.9	7.2	5.4	3.9	4.3	2.8	2.4	2.3	2.6	2.2	2.0	2.0	1.8	1.3	1.2	0.9	0.8	0.8	0.8	1.0	1.0	0.4	0.8	0.4	2.6	100.0				

RECEIVED
COMMUNITY DEVELOPMENT

JUL 07 2015

VILLAGE OF
BARTLETT

MEMO

To: Roberta Grill
From: Brent Coulter, PE PTOE
Date: 7/7/2015
Subject: **BAPS Site – Family Activity Center (Phase 4)**

I have reviewed the petitioner’s traffic and parking study (prepared by Gewalt Hamilton) and concur with it’s general finding that within 7 years (*if not sooner in my opinion*), based on extrapolation of historic membership growth trends, the following parking and site access improvements may be required:

- a. Potential need for additional overall site parking in excess of the 96 “Phase 3a” spaces yet to be constructed.
- b. Provision of police traffic control during the Sunday worship periods and/or an added new site access on Army Trail Road due to site traffic demand exceeding capacity of the existing unsignalized IL 59 access drive.

Other specific comments at this time are shown below.

1. Approach to Determining Parking Demand for the FAC

1. The consultant’s parking study assumes the new Family Activity Center will not be a new generator of vehicle trips but will provide proper building space for current site visitors/members that are currently served by existing overcrowded facilities (the traffic/parking report also cites specific instances of such overcrowding). This scenario is very similar to the M A Center in Kane County that I am currently involved with and where my initial study addressed the parking and traffic needs to support a major summer retreat attended by thousands and the conversion of existing former private school gymnasium, meeting and office space and dormitories into modernized facilities for day to day operations. I therefore understand the petitioner’s approach and rationale for parking supply analysis.

My specific comments at this time are listed below.

- Observations of parking demand (occupancy) were made every hour on a single Sunday (May 3, 2015), with a maximum demand (occupancy) of 637 spaces. It is possible that shorter- term parking peaks within these hourly intervals could have been missed (i.e. not observed) resulting in a lower estimate of demand than actually exists (see also Comment No. 3).
- The BAPS site, with only a single access to/from IL 59, lends itself to a parking accumulation study that would begin with a base overall parking occupancy count and subsequent calculation of parking occupancy at much shorter intervals (say 15-minutes) based on the net change in vehicles in and out of the site as measured by traffic counters on the inbound and outbound lanes of the site access on IL 59.

- The findings of the consultant’s approach to calculating parking adequacy for Phase 4 development consideration (based on annual growth in overall parking demand) will differ from that calculated by applying local zoning ordinance parking ratios to the various space types contained within the FAC building (i.e. seating capacity of gymnasium, office/meeting room space, etc.). Some adjustment of the aggregate parking required by the latter approach to account for shared parking potential is appropriate (i.e. to the extent that peak FAC building use and parking demand does not coincide with peak worship service parking demand). The calculated required parking supply based “zoning ordinance parking ratios” could be used to help establish added site parking on the Phase 5 parcel (see also Comment No. 3).

2. Outside Use (Rental) of FAC Facilities

Parking demand generated by the FAC should consider whether outside use (rent or lease) of space may or may not be permitted, and the scheduling and other conditions which could be attached to such use during off-peak BAPS times.

3. Overall BAPS Site Parking Supply Adequacy Based on a “Working” Parking Supply.

The need to compare proposed parking supply to observed existing parking demand, and future extrapolation of such demand, occurs frequently with “campus” oriented or mixed-use developments, where the variety and schedule of internal uses/activities do not lend themselves to standard parking ratio analysis. In these cases it is desirable and often typical to adjust parking supply downward by 10% or 15% to establish a “working” supply of parking that accounts for the effective loss of spaces in winter due to snow storage, other general parking inefficiencies, and user convenience (i.e. minimizing constant recirculation through the parking area to find that “one” available space).

When this adjustment is made to the proposed 821 BAPS spaces, parking supply life at current membership growth rates would only be a little less than 3 to a little more than 4 years, instead of the just over 7 years stated in the petitioner’s parking study. This emphasizes the need to establish the “trigger” dates and conditions for future parking on the Phase 5 parcel as part of Phase 4 development action, including whether such future parking is accessed from existing internal roads connected to IL 59 or also from a new site access on Army Trail Road.

4. Future Access to/from Army Trail Road.

The petitioner’s traffic study states that police traffic control at the existing IL 59 access or the addition of future Army Trail Road access may be required within seven years or so due to inadequate (gap) capacity on Il 59. As noted above, such access may be desirable to serve future site parking lot construction on the Phase 5 parcel, even if that parcel is not yet developed with commercial space.

Since there is no intervening phase of plan completion between Phase 4 currently under consideration and Phase 5 commercial development, it seems prudent to also consider the timing and conditions for Army Trail Road access as part of Village action on the Phase 4 petition.

Questions which should be addressed include:

- What traffic diversion could be expected at a new Army Trail Road access and how it would operate (with and without a future commercial building on the Phase 5 parcel)?
- Traffic control and lane configuration at this future access (i.e. would all turns be permitted, RI/RO/LI only).
- What turn lane improvements might be required on Army Trail Road to serve this access?
- What is the target (“triggers”) for access construction on Army Trail Rd.?

COMMUNITY DEVELOPMENT MEMORANDUM

16-150

DATE: August 1, 2016
TO: The Chairman and Members of the Plan Commission
FROM: Roberta B. Grill, Assistant Com Dev Director *RBG*
RE: **(#16-05) Ashton Gardens**

PETITIONER

Brad Schreiber on behalf of Ashton Gardens

SUBJECT SITE

Southwest corner of Devon and Prospect Avenues

REQUEST

Preliminary/Final PUD Plan and Special Uses for:

- (a) Planned Unit Development (PUD)
- (b) Reception/Banquet Hall (Place of Assembly)
- (c) The Serving of Liquor
- (d) Building Height

SURROUNDING LAND USES

	<u>Land Use</u>	<u>Comprehensive Plan</u>	<u>Zoning</u>
Subject Site	Vacant	Commercial	B-3 PUD
North	Attached Residential	Attached Residential (Medium Density)	PD
South	Single Family	Suburban Residential	SR-2 PUD
East	Vacant/Single Family	Open Space/ Suburban Residential	SR-4
West	Single Family	Suburban Residential	SR-2 PUD

ZONING HISTORY

This property was annexed to the Village in 1963 and was zoned Manufacturing. In 1978 the subject property was rezoned to the B-3 (Neighborhood Commercial) Zoning District and the property to the south and west of this commercial site was rezoned to the R-2 (Single Family) Zoning District. In 1988, Ordinance #88-104 approved a Site Plan for the commercial property which was reduced in size to accommodate additional single family lots to the south. This Ordinance also approved the Preliminary PUD Plan for the East Pointe Estates Subdivision which consisted of 59 detached single family lots. The Final PUD Plan for the Single Family Subdivision was approved by Ordinance #89-43.

(Copies of the Historic Zoning Map, the Approved Commercial Center Site Plan and the Recorded Plat of Subdivision are attached.)

DISCUSSION

1. The Petitioner is requesting a **Preliminary/Final PUD** Plan review for a proposed wedding and special event facility catering exclusively to high end wedding ceremonies and receptions. The plan includes a chapel, reception/banquet hall and small office to be located on the 3.8 acre piece of vacant property located at the southwest corner of Devon and Prospect Avenues.
2. The Petitioner currently has similar venues in Houston and Dallas, Texas as well as Sugar Hill, Georgia and three projects under development review in Cedar Park, Texas, Marietta, Georgia and here in Bartlett.
3. The Petitioner is also requesting **Special Uses** for a Planned Unit Development (three principal structures located on one zoning lot), a reception/banquet hall (place of assembly), the serving of liquor and building height (Chapel – 35 feet, 3 ½ inches).
4. The 14,367 square foot **reception/banquet hall** would have a maximum capacity of 300 guests. The building would be constructed with off-white stucco veneer on three exterior elevations and hardiplank siding in white along the rear/west elevation. Cast stone columns and a canopy would provide an inviting and elegant front entrance for the guests. The roof line would have a decorative cornice and parapet wall with white railing/baluster accents which would screen the rooftop mechanicals. This reception hall would be 28 feet at its highest point, while the majority of the building would be 22 feet in height. The **chapel**, consisting of 4,576 square feet, would have a maximum capacity of 252 guests. The building would consist of an off-white EIFS and Texas White Limestone veneer exterior with a grey shingled roof. Arched decorative windows as well as an arched entrance door would accent the front elevation. The highest point of the chapel would be 35 feet, 3 ½ inches with the lower roof line sitting at 15 feet, 7 inches. The small **office** building, consisting of 1,337 square feet, would architecturally complement the reception hall and chapel buildings; incorporating the off-white EIFS on the exterior, the decorative columns along the front elevation and the grey shingles on the roof. The overall height of this building would be 15 feet, 7 inches.
5. The hours of operation would be Monday – Thursday 9:00 a.m. – 7:00 p.m. for touring the facilities. If an event were to be scheduled, it would typically end before Midnight. Friday, Saturday and Sunday hours would typically be from 9:00 a.m. until 12:30 a.m. (An event may last longer if a patron pays for the extra time.) The Petitioner has agreed to reduce the hours on Sunday to close at 10:30 p.m. rather than the original 12:30 a.m. Liquor service would end ½ hour prior to the scheduled event end time and rarely would there be Sunday evening events.
6. The Petitioner would be requesting a Special Use to serve beer, wine and liquor and would be applying for a Class A Liquor License. The hours for the license would be Sunday through Thursday 8:00 a.m. until 1:00 a.m. Friday and Saturday hours would

be from 8:00 a.m. until 2:00 a.m. The Petitioner understands they can only serve alcohol during the times specified by the Class A Liquor License.

7. A four (4) foot high decorative metal fence is proposed along the north and east property lines (Devon and Prospect Avenue frontages) with matching gates across each entrance drive for security when the facilities are closed. Emergency responders would have access to the lock boxes at these locations. Trees and an eight (8) foot high solid wood fence would be located along the south and west property lines to buffer these uses from the adjacent residential properties.
8. The Plan identifies three access points; two along Devon Avenue and the third along Prospect Avenue. The far west curb cut along Devon would allow for loading and garbage pick-up only, while the second access located further east, is shown as a right-in/right-out for guests to enter and exit the site. (*Devon Avenue is under the jurisdiction of DuPage County which has required this curb cut to be a right-in/right-out.*) The Prospect Avenue curb cut will allow for full ingress and egress. A two-way drop-off and pick-up drive is located directly in front of both the chapel and reception hall to accommodate those guests requiring easier access to the entrances of each building.
9. A Traffic Study, prepared by Eriksson Engineering Associates, Ltd. (Eriksson), has been submitted for the Staff to review (see attached) and the Village's Traffic Consultant, Brent Coulter of Coulter Transportation Consulting, LLC (Coulter) has reviewed and commented on the study (see attached comments).
10. In summary, Eriksson states that **"the Devon/Prospect intersection operates at a Level of Service B and this development will not have an adverse impact on the intersection. The Devon access would be 220 feet west of Prospect and the Prospect access will be 300 feet south of Devon; both will operate well within the projected traffic volumes of these uses. Weddings and receptions will primarily be held on Friday and Saturday evenings after the peak hour (5:00 p.m. – 6:00 p.m.)."**
11. The Village's Traffic Consultant concurs with the applicant's Traffic Study stating that **"both (Devon and Prospect) are low volume streets and that left and right turn lanes do not appear to be warranted at the site's access drives."**
12. The Petitioner is requesting a **variation** to allow for a reduction in the required number of parking spaces. This request is primarily due to the fact that the **Zoning Ordinance requires parking to be calculated for each individual use (Office=5, Chapel=63 and Reception Hall=90) and does not account for multiple uses sharing parking on one site.** As a result, the Zoning Ordinance would require 158 parking spaces. The PUD Plan identifies 135 spaces (23 short of the requirement). Based upon the Petitioner's observations at their other venues currently in operation, they believe 125 spaces would be the maximum number needed for this site. This is due in part that many guests will be proceeding directly from the chapel to the reception hall and that the Zoning Ordinance double counts these patrons. The Petitioner states that the 135 spaces provided on this plan are more than adequate to meet their needs.

Staff concurs and believes that those attending the chapel service will primarily be double counted and that the strict interpretation of the Zoning Ordinance provides a hardship for the Petitioner. (This variation request will be reviewed by the Zoning Board of Appeals.)

13. Below is a summary of the parking spaces provided on the site and those required in strict accordance with the Zoning Ordinance.

Parking Summary

	Parking Provided	Parking Required
Office	135	5 (1,337 sq. ft./275)
Reception/Banquet Hall		90 (300 occ/30%)
Chapel		63 (252/4 seats)
	Total = 135	Total = 158
		DEFICIT = 23spaces (158 - 135= 23)

14. If the 63 required spaces for the chapel are deleted, the calculation would be as follows: Office (5) + Reception Hall (90) = 95 vs. 158 (Zoning Ordinance).

However, Staff believes the 30 employees at the Reception Hall should be included in the required parking calculations in addition to the 300 maximum occupancy, and as a result, the REVISED calculation should be:

Office (5) + Reception Hall (99) = 104 TOTAL PARKING SPACES REQUIRED (well below the 135 parking spaces provided on the PUD plan.)

15. Coulter concurs that double counting may occur, however he suggests particular attention be given to the scheduling of events to provide a "sufficient time gap to allow those leaving a wedding and not attending a reception to have adequate time to leave and for reception guests to arrive without an overlap." He also states that because no overflow parking will be allowed on either Devon or Prospect Avenues, and it would seem obvious to most visitors to not park on Devon; that "No Parking" signs may need to be posted on Prospect due to its "more residential feel".

16. The Staff has requested the Petitioner contact land owners within close proximity to this site to secure an additional 20–30 parking spaces for overflow parking. The Petitioner is currently in discussions with a landowner at this time.

17. Landscape **variations** being requested include a reduction from the interior parkway requirement from 20 feet to 16 ½ feet along Devon Avenue and to allow one tree rather than two trees on each double parking island. The Petitioner has stated that they would prefer to plant larger trees in and around the chapel and reception hall for aesthetic purposes and to beautify these areas rather than the parking lot. In addition, the Petitioner has agreed to relocate the seven (7) trees as part of the

variation request and plant these trees along the south and west property lines to provide additional buffering for the neighbors. **(These variation requests will be reviewed by the Zoning Board of Appeals.)**

18. Revised Engineering, Landscaping, Lighting and Truck Turning Plans are currently being reviewed by the Staff. *Please Note: Since the time of Coulter's traffic review, the Petitioner has submitted revised plans to incorporate several additional traffic comments, especially regarding truck turning movements for fire vehicles on the site.*

RECOMMENDATION

1. Staff recommends **approval** of the Petitioner's requests subject to the following conditions and Findings of Fact:
 - a. Village Engineer approval of the Final Engineering Plans;
 - b. Staff approval of the Landscape and Photometric Plans;
 - c. The landscaping of the Property shall be provided, planted, completed and maintained in accordance with the Landscape Plan, including the addition of seven (7) trees to be planted along the south and west property lines (*if the variation request is granted*).
 - d. Landscaping must be installed within one year of the issuance of a building permit. If landscaping cannot be installed at the time of construction, a landscape bond must be posted in the approved amount for its future installation;
 - e. Trees shall be preserved and secured in accordance with the approved Tree Preservation Plan;
 - f. An 8 foot high, solid, wood fence with steel posts as depicted on Sheet 2 of the Preliminary/Final PUD Plan shall be installed along the south and west property lines in accordance with the Building Code;
 - g. No deliveries or garbage pick-up shall occur before 9:00 a.m.
 - h. Hours of operation shall be Monday through Thursday from 9:00 a.m. until 7:00 p.m. but if an event is scheduled, the facility shall close no later than 12:30 a.m. Hours for Friday and Saturday shall be from 9:00 a.m. until 12:30 a.m., but may be extended until 2:00 a.m. (Class A liquor license is from 8:00 a.m. until 2:00 a.m. for Friday and Saturday.) Sunday hours shall be from 9:00 a.m. until 10:30 p.m.
 - i. No outdoor events shall take place on the property;
 - j. Liquor service shall adhere to the hours outlined by the liquor license issued by the Village.
 - k. If warranted and upon a visible inspection by the Village, "No Parking" signs may be placed on Prospect Avenue, as far south as Lido Trail;
 - l. The Petitioner shall continue to negotiate with neighboring non-residential property owners to secure an overflow/valet parking area for guests if parking demand on the site exceeds the number of parking spaces provided;
 - m. The Petitioner shall coordinate sufficient time between events to allow for minimal overlap in parking demand;
 - n. Lock boxes shall be provided and access granted to the Bartlett and Countryside Fire Protection District for the gates located on both Devon and Prospect Avenues;
 - o. DuPage County Department of Transportation approval of the curb cuts proposed on Devon Avenue and copies of the permits shall be submitted to the Village prior to the issuance of a building permit;

- p. Signage shall be reviewed and approved separately by the Community Development Department in accordance with the Sign Ordinance;
 - q. Building permits shall be required for all construction activities;
 - r. Findings of Fact: Special Uses (PUD, Banquet/Reception Hall/Place of Assembly, the Serving of Liquor and Building Height)
 - i. The proposed chapel, reception hall and office are desirable to provide a use which is in the interest of public convenience and will contribute to the general welfare of the community;
 - ii. That the proposed chapel, reception hall and office will not under the circumstances of the particular case be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity or be injurious to property value or improvement in the vicinity;
 - iii. That the special use shall conform to the regulations and conditions specified in the Bartlett Zoning Ordinance for such use and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.
 - s. Findings of Fact: Planned Unit Development
 - i. The chapel, reception/banquet hall and office are in conformance with the Comprehensive Plan and the Future Land Use Plan which identifies this site for commercial uses;
 - ii. The office use is a permitted use in the B-3 PUD Zoning District and the chapel (place of assembly) and reception/banquet hall are special uses in the B-3 PUD Zoning District;
 - iii. The PUD development is designed, located and proposed to be operated and maintained so that the public health, safety and welfare will not be endangered or detrimentally affected;
 - iv. The PUD development shall not substantially lessen or impede the suitability for uses and development of, or be injurious to the use and enjoyment of, or substantially diminish or impair the value of, or be incompatible with, other property in the immediate vicinity;
 - v. The PUD development shall include impact donations;
 - vi. Adequate utilities and drainage shall be provided for this use;
 - vii. Adequate parking and ingress and egress will be provided for this use so as to minimize traffic congestion and hazards in public streets;
 - viii. Adequate buffering and landscaping shall be provided to protect uses within the development and on surrounding properties;
 - ix. There shall be reasonable assurance that, if authorized, this facility will be completed according to an appropriate schedule and adequately maintained.
2. A copy of the Historic Zoning Map, the Recorded Plat of Subdivision, the Approved Commercial Site Plan from 1988, the Preliminary/Final PUD Plan, Building Elevations, Landscape Plan, the Traffic Study, Traffic Comments, Photos of existing facilities, Emails from residents, Letters of Support and additional background information are attached for your review.

rbg/attachments



April 26, 2016

Village of Bartlett, Illinois
228 S. Main Street
Bartlett, IL 60103

Attention: Mr. Kevin Wallace, Village President
Village Board of Trustees

Mr. Wallace & Trustees,

Thank you for taking time to review our development application

Below are specifics for the development application to add Bartlett as the newest home to an Ashton Gardens, a nationally branded wedding and special event facilities company.

We are under contract on the property at the corner of Devon Ave. and Prospect Ave. and, as a condition of the purchase, we must obtain local government approval for the project.

The property will be home to 3 buildings, described as follows.

The office building will be occupied by our operations management and our sales and coordinating teams as well as private guest conference rooms.

The 4500 square foot chapel features a European-inspired design of carved stone, natural timber buttresses, and soaring floor-to-ceiling glass windows furnished with ceramic tile floors and upholstered pews, plus private dressing suites for the brides and grooms.

The reception facility is 14,000 square feet and seats up to 300 guests in an elegant ballroom with crystal chandeliers, elegant décor, built in bars, and a finely appointed entry "gallery". As all food preparation is conducted in-house, there is a fully equipped commercial kitchen.

The grounds will be tastefully landscaped and well maintained.

Because the property is adjacent and open to single family homes, Ashton Gardens will provide a privacy fence behind each house, the full length of the South and West perimeters of the site. The North and East property lines (along Devon Avenue and Prospect Avenue) will be protected by a decorative fence and separate accesses to the property.

We are very conscious of the concerns of the neighbors as we have 3 other properties built adjacent to neighborhoods and we have never had an incident where a resident be disturbed or inconvenienced. All activities are conducted indoors, so there is not the opportunity for excessive noise on the outside...and the building is constructed in such a way as to ensure music cannot be detected outside the building. All events are required to have private security to assist with traffic control and to monitor all outside activity.

We will have 142 parking spaces, which is quite adequate as there would never be a situation when the chapel and reception areas would be occupied to capacity at the same time. The reason is that during a wedding, guests would attend a ceremony in the chapel, then proceed to the reception building for a reception. Therefore, one or the other building would not be occupied at some point during an event and the maximum number of guests on site at any time would be the capacity of the reception building.

The trash receptacle will be a sealed container with a water tight hinged top and will be enclosed in a secured, approved structure on the service drive closest to the reception building. All deliveries are scheduled weekdays, later in the mornings.

The great majority of the events occur from Friday evening through Sunday evening and with two access points (one each on Devon and Prospect), the effect on local traffic at will be very minimal.

I would like to thank you for all of your valuable assistance throughout this process and look forward to meeting with you to further our development.

Regards,

**Brad Schreiber, President
Ashton Gardens**

FINDINGS OF FACT FOR PLANNED UNIT DEVELOPMENTS

Both the Plan Commission and Village Board must decide if the requested Planned Unit Development meets the standards established by the Village of Bartlett Zoning Ordinance.

The Plan Commission shall make findings based upon evidence presented on the following standards: (Please respond to each of these standards in writing below as it relates to your case. It is important that you write legibly or type your responses as this application will be included with the staff report for the Plan Commission and Village Board to review.)

1. The proposed Planned Unit Development is desirable to provide a mix of uses which are in the interest of public convenience and will contribute to the general welfare of the community.

With all existing locations, Ashton Gardens has proven to be a convenient and cooperative destination for local community organizations, governmental agencies, and the business community for social and professional uses. The high end quality of the facility will enhance the perception of the Village, substantial sales tax revenues will be generated, local businesses will benefit from more than 40,000 visitors to the area each year, and will be an eager participant in the community.

2. The Planned Unit Development will not under the circumstances of the particular case be detrimental to the health, safety, morals, or general welfare of persons residing or working in the vicinity or be injurious to property value or improvement in the vicinity.

Ashton Gardens takes pride in extensive measures which we employ to ensure the safety of our guests through active event security; including close management of alcohol consumption; activities on the property, yet outside of the buildings as not to be disruptive to neighbors; and the practice of managing our business with the highest level of professionalism and integrity. At our other locations, Ashton Gardens has been well received by our neighbors especially when given consideration to possible alternative businesses that are not at the level of quality as our concept.

3. The Planned Unit Development shall conform to the regulations and conditions specified in the Title for such use and with the stipulation and conditions made a part of the authorization granted by the Village Board of Trustees.

With the Village staff's excellent communication and eagerness to help, we have been, and will continue to ensure our project development is in full compliance with Title specifications and requirements. Where we have areas of uncertainty, we contact the Village and get immediate direction so our progress stays on the correct path.

4. The proposed uses conform to the Comprehensive Plan and the general planning policies of the Village for this parcel.

Ashton Gardens has received confirmation on the use of parcel via concept plan submittal and attendance of Village Board meetings. The project conforms with the Comprehensive Plan which identifies this property for commercial use.

5. Each of the proposed uses is a permitted or special use in the district or districts in which the Planned Unit Development would be located.

The site will consist of a small administrative office building, a chapel in which to host wedding ceremonies, and a reception building to host wedding receptions (following the ceremonies), corporate and social events, meetings, etc.

6. The Planned Unit Development is designed, located and proposed to be operated and maintained so that the public health, safety and welfare will not be endangered or detrimentally affected.

The project will not be detrimental to the public health, safety, and welfare nor be detrimental in any fashion. The design and aesthetics of the facilities and the site convey a high end, high quality image that compliments the community. Every possible measure is taken to ensure that all event activities are managed s not to effect or disturb the community or our neighbors in any way.

7. It shall not substantially lessen or impede the suitability for permitted use and development of, or be injurious to the use and enjoyment of, or substantially diminish or impair the value of, or be incompatible with, other property in the immediate vicinity.

The project will not be injurious and will not impede enjoyment of other property owners using their yards or property within the immediate vicinity. Ashton Gardens improves the public perception of the area in which we develop a business. The parcel could be home to many other types of businesses such as convenience stores, strip centers, or other entities that have a far less public perception. There is an added value to local businesses, increased tax base, and the community as a whole given consideration to the quality and number of guests that will seek out Ashton Gardens in Bartlett.

8. Impact donations shall be paid to the Village in accordance with all applicable Village ordinances in effect at the time of approval.

Ashton Gardens will comply with any ordinances related to the impact of this development.

9. The plans provide adequate utilities, drainage and other necessary facilities.

The engineering of the project will provide all necessary utilities, infrastructure, and other requirements as dictated by local ordinances and direction of Village staff. There will be more than ample parking for the proposed uses.

10. The plans provide adequate parking and ingress and egress and are so designed as to minimize traffic congestion and hazards in the public streets.

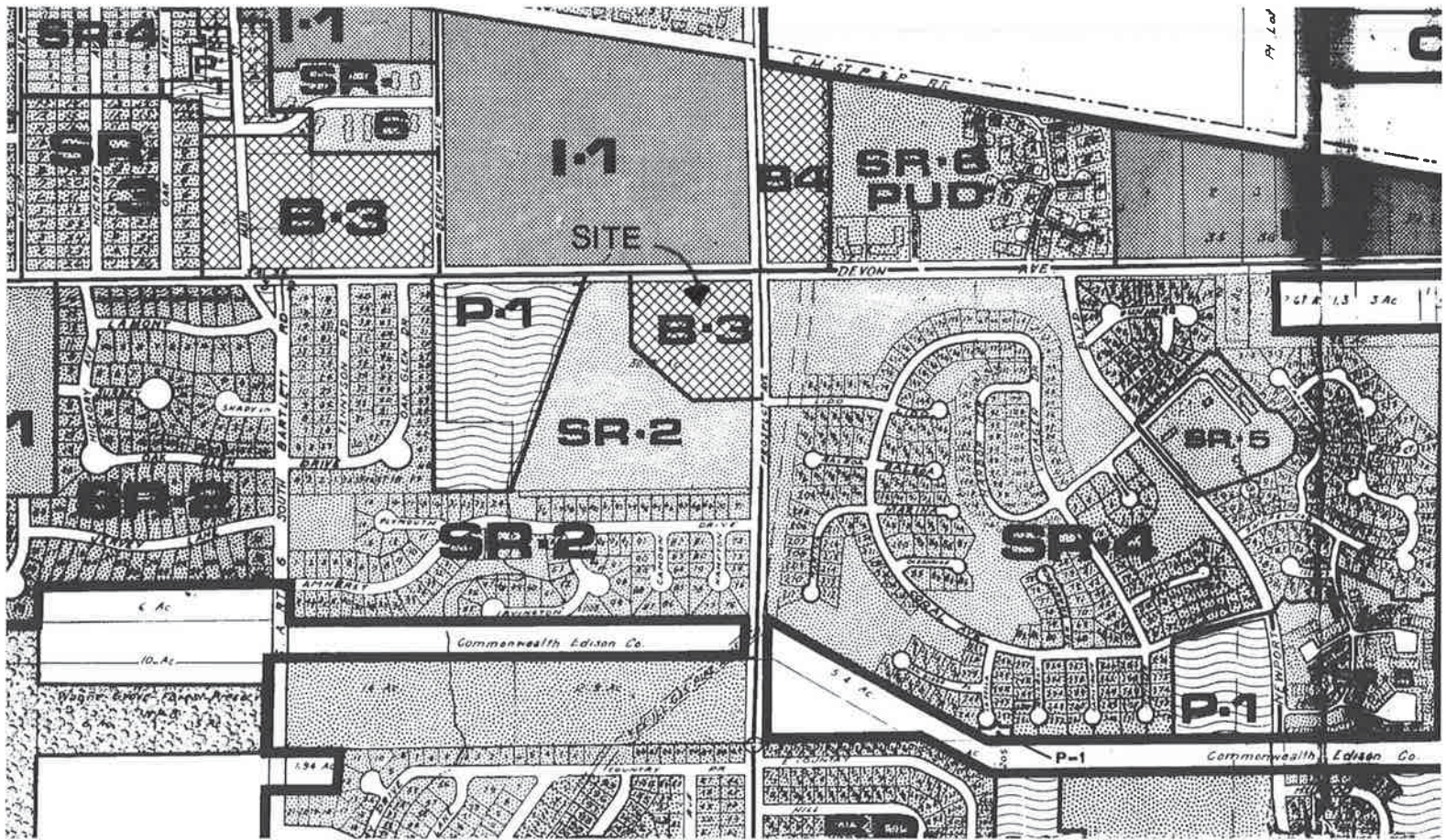
Traffic entering and exiting the property will be eased to the best possible extent with the use of two access points, one on Devon Ave. and one on Prospect Ave. per the recommendation of Village staff. Also very few of the days and times the facility is in use does not coincide with "rush hour".

11. The plans have adequate site area, which area may be greater than the minimum in the district in which the proposed site is located, and other buffering features to protect uses within the development and on surrounding properties.

The residential sites adjacent to the parcel do not have a barrier at the adjoining property line. Ashton Gardens will build provide a landscape buffer, a fence along said property lines, or a combination of both.

12. There is reasonable assurance that, if authorized, the PUD will be completed according to schedule and adequately maintained.

When developing an Ashton Gardens facility, it is critical that the construction be completed on or before the scheduled date, because for months before opening, we sell dates for events beginning very close to the completion date, thus, should we go beyond the scheduled completion date, events must be cancelled...which would be very detrimental to our reputation. The appearance and upkeep of the property is key to maintaining our upscale, professional image and is never compromised.



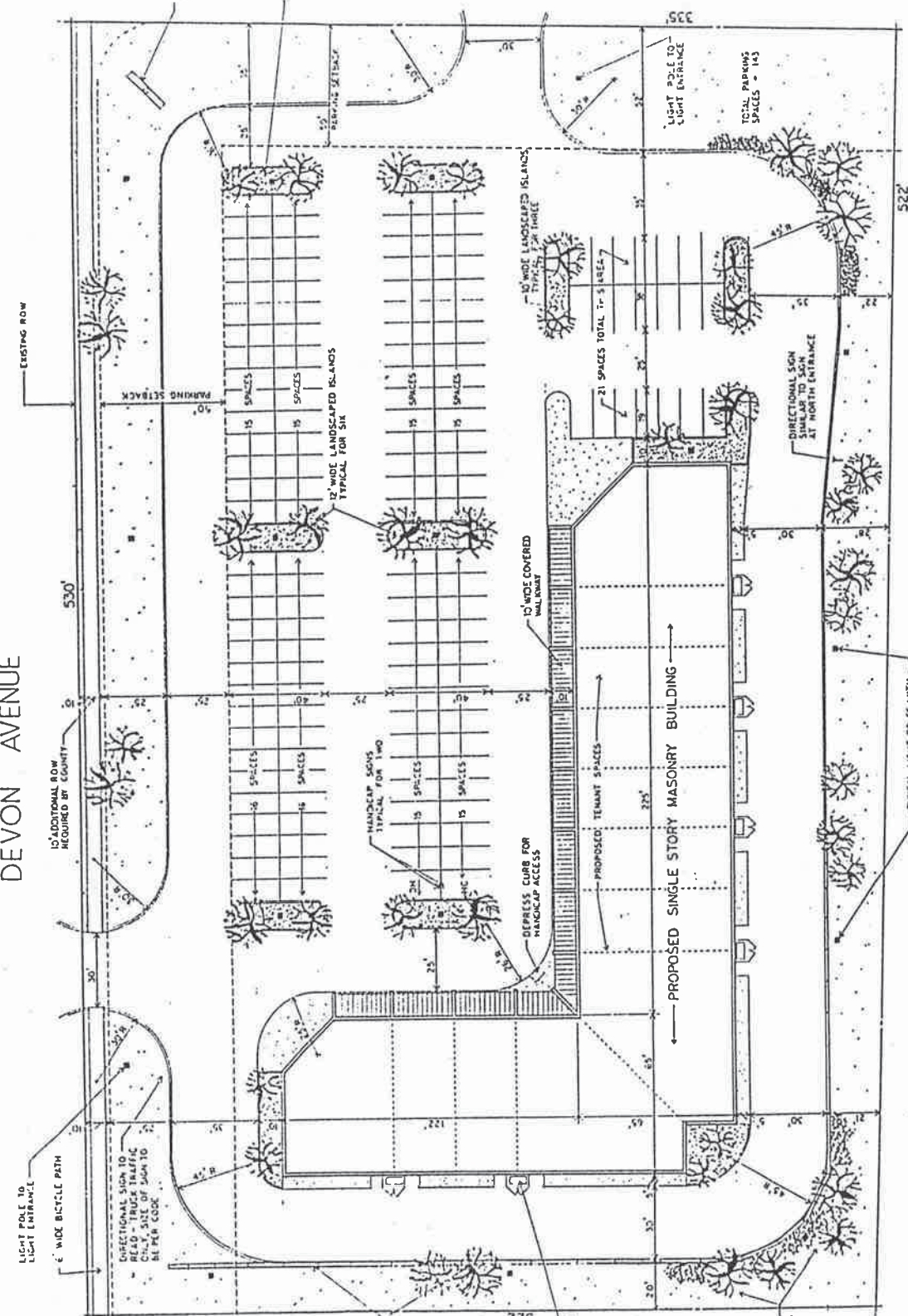
HISTORIC ZONING MAP

1988 APPROVED PLAN

DEVON AVENUE

PROSPECT AVENUE

NORTH



BARTLETT EAST POINT ESTATES
COMMERCIAL CONCEPT PLAN

SCALE 1" = 20' 0"

OCT 3, 1988

RECEIVED
VILLAGE OF BARTLETT
Community Development

JP ARCHITECTS AND PLANNERS
210 SOUTH MILWAUKEE AVENUE
MILWAUKEE, WISCONSIN 53204
TELEPHONE: 312-537-6650

REVISORS:
DATE: 10-23-88
DRAWN BY: JP

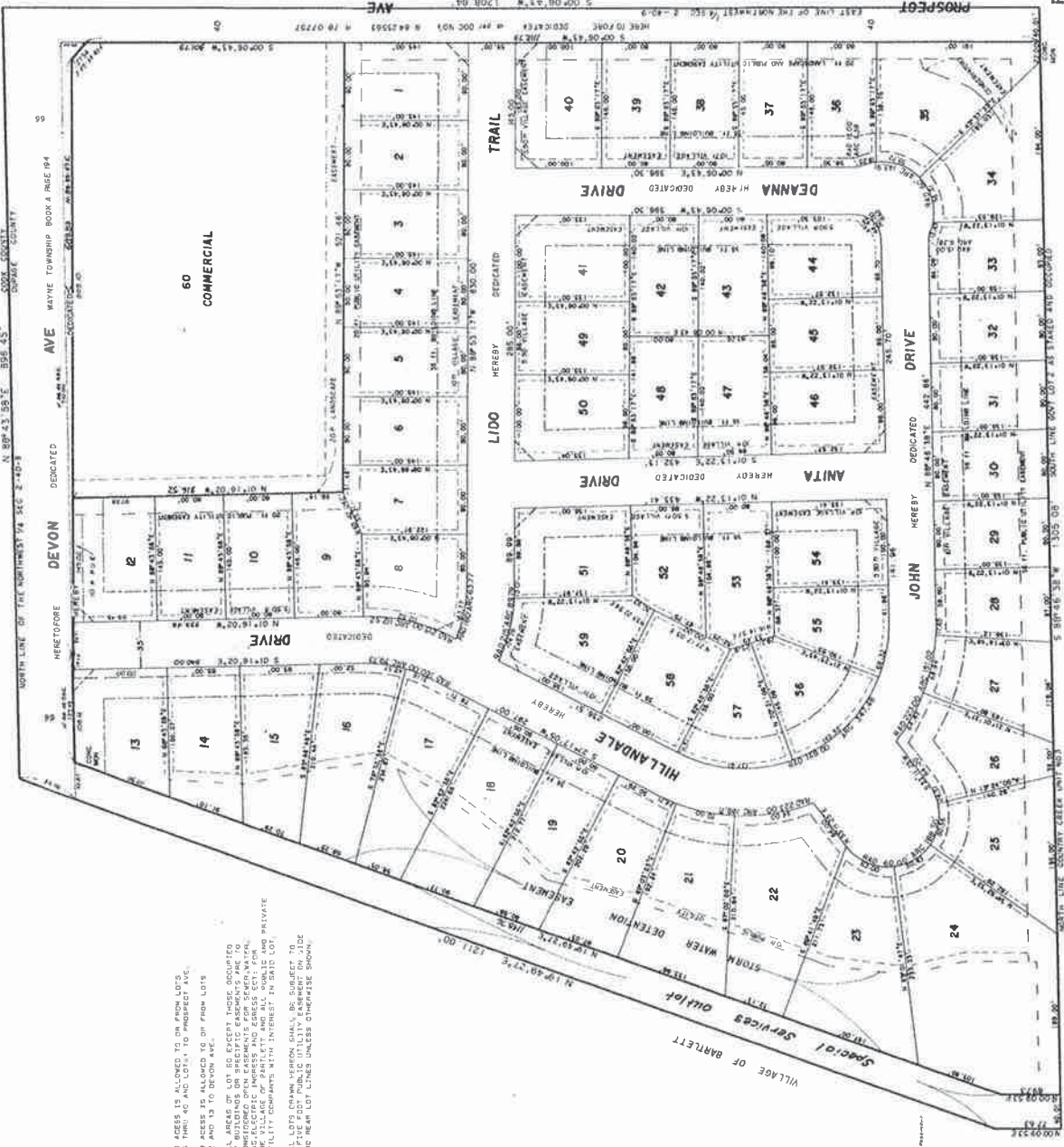
Book 143
Page 35
RS9-12696



SCALE 1"=50'

BARTLETT EAST POINTE ESTATES

A PLANNED UNIT DEVELOPMENT PLAN
IN THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 40 NORTH, RANGE 9 EAST OF THE THIRD
PRINCIPAL MERIDIAN, ALL IN DUPAGE COUNTY, ILLINOIS.



NOTE: NO ACCESS IS ALLOWED TO OR FROM LOTS 13 THRU 40 AND LOTS 11 TO PROSPECT AVE. NO ACCESS IS ALLOWED TO OR FROM LOTS 12 AND 13 TO DEVON AVE.

ALL AREAS OF LOTS BE EXCEPT THOSE OCCUPIED BY EXISTING STRUCTURES OR UTILITIES ARE TO BE CONSIDERED OPEN SPACES FOR RECREATION AND OPEN SPACE. THE VILLAGE OF BARTLETT AND BARTLETT AND PRIVATE UTILITY COMPANIES WITH INTEREST IN SAID LOT.

NOTE: ALL LOTS CHOWN HEREON SHALL BE SUBJECT TO THE FEDERAL PUBLIC UTILITY EXEMPTION ON JUNE 1, 1974 AND TO ALL LINES UNLESS OTHERWISE SHOWN.

NOTE

LOT	ACRES	SQ. FT.
1	0.0000	0.00
2	0.0000	0.00
3	0.0000	0.00
4	0.0000	0.00
5	0.0000	0.00
6	0.0000	0.00
7	0.0000	0.00
8	0.0000	0.00
9	0.0000	0.00
10	0.0000	0.00
11	0.0000	0.00
12	0.0000	0.00
13	0.0000	0.00
14	0.0000	0.00
15	0.0000	0.00
16	0.0000	0.00
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39	0.0000	0.00
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51	0.0000	0.00
52	0.0000	0.00
53	0.0000	0.00
54	0.0000	0.00
55	0.0000	0.00
56	0.0000	0.00
57	0.0000	0.00
58	0.0000	0.00
59	0.0000	0.00
60	0.0000	0.00

TOTAL AREA 1.308, 537, 550 SQ. FT.
AREA WITHIN M.O.D. 184, 641 SQ. FT.
AREA WITHIN M.O.D. 207, 471 SQ. FT.
AREA WITHIN M.O.D. 207, 471 SQ. FT.

BARTLETT EAST POINTE
ESTATES
Page 1 of 2

Prepared by
Frank A. Korycunek
Illinois Registered Land Surveyor #1880
107 South Blomington Rd., Suite 111
Bloomington, IL 61808, (312) 894-7072

PREPARED FOR:
JOHN GIANNINI
525 WISE ROAD
SCHAUMBURG, ILL 60193

COUNTRY CREEK UNIT NO. 3 DOC 78 0757 JAN 26 1978

PAGE 1 OF 2

Case #16-05

Ashton Gardens

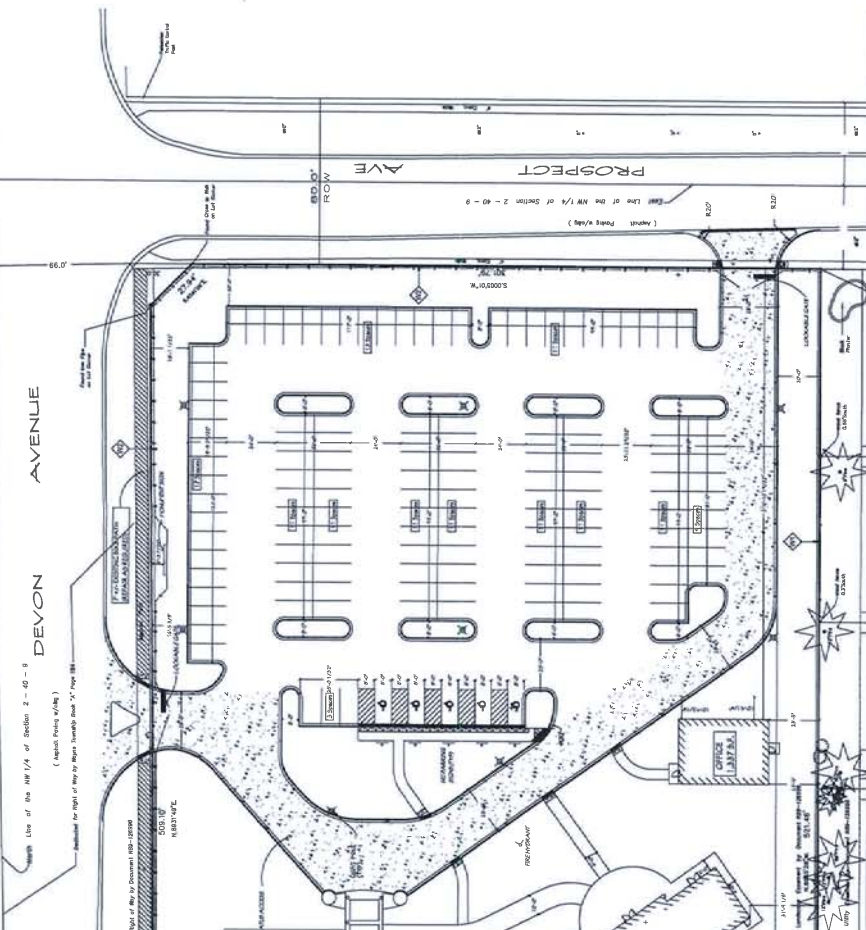


1. 194-000330 "1st ALTA/ASBM Land Title Survey" dated March 07, 2012.
 2. SW Corner Devon Avenue & South Prospect Avenue
 Village of Bartlett, Deage County, Illinois
 3. Property PIN Number: 01-02-018-010-0000
 4. Total Land Area: 3.84 Acres
 5. Zoning Category: B-3 MID Neighborhood Commercial
 Minimum Building Height per Ordinance: 25'

PROJECT DATA:
 TOTAL LOTS: 3,847 ACRES

RECEIVED:
 Building I - Reception Facility (Assembly Use):
 300 Seats
 Building II - Chapel (Assembly Use):
 250 Seats
 Building III - Administration Building (Business Use):
 1337 SF @ 1110 SF = 13 Commercial
 1337 SF @ 1110 SF = 13 Commercial

SYMBOL LEGEND:
 # High Solid Hood Fencing
 # High Decorative Metal Project Fencing
 # Miscellaneous
 # Site Light Pole (Reference Civil Drawing)



PRELIMINARY / FINAL PUD PLAN
 1" = 32'-0"
 SCALES IN FEET

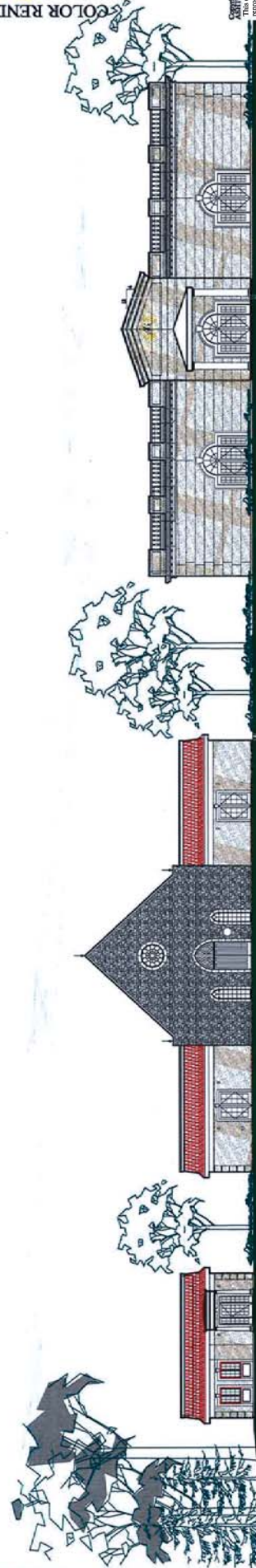
RECEIVED
 COMMUNITY DEVELOPMENT
 AUG 0 1 2016
 VILLAGE OF
 BARTLETT



BRUNNELL NORTON
111 N. Henry Lane
Chicago, IL 60622
(773) 452-5233
www.brunnellnorton.com
brunnell@brunnellnorton.com
brunnellnorton.com

Aston Gardens Village of Bartlett
Center of Deyan Ave. & South Prospect Ave.
Bartlett, DuPage County, Illinois

ASHTON GARDENS VILLAGE
COLOR RENDERING



OFFICE

CHAPEL

RECEPTION

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RECEIVED
COMMUNITY DEVELOPMENT
AUG 01 2016
VILLAGE OF
BARTLETT

DISCUSSION DATE
REVISED 10/04/2014
REVISED 07/15/2016

COLOR RENDERING OF BUILDING EXTERIORS



PENNEL, NORTON
 1121 Lacey Lane
 Atlanta, Georgia 30622
 (770) 452-5155
 norton@pennel.com
 phone 800 6922727

RECEPTION FACILITY for

Ashton Gardens
 Center of Devotion Ave. & South Prospect Ave.
 Bartlett, DuPage County, Illinois

PROJECT NUMBER: 15-0000
 DATE: 02/21/2018
 DESCRIPTION: RECEPTION FACILITY

DATE: 02/21/2018
 DESCRIPTION: RECEPTION FACILITY

A-1
 RECEPTION
 FLOOR PLAN

CODE CRITERIA
GENERAL DESCRIPTION:
 OCCUPANCY USE: WEDDING RECEPTION FACILITY
 OCCUPANCY CLASSIFICATION: ASSEMBLY A-2, W-BUSINESS (B) ACCESSORY USE
 CONSTRUCTION TYPE: TYPE I/II (STEEL FRAME)
 SPRINKLER REQUIRED: YES
 FIRE ALARM SYSTEM REQUIRED: YES
HEIGHT & AREA LIMITATIONS:
 Actual Building Height: 21' 0"
 Actual Number of Stories: 1
 Permitted Building Area (IBC Table 510.3): 9300 x 4 = 37,200 S.F.
 Permitted Building Area (IBC Table 510.3): 9300 x 4 = 37,200 S.F.
 Permitted Number of Stories: 2
NOTE: The allowable area is based on 20% increase due to the facility being fully sprinklered per IBC 510.3.

STRUCTURAL RIBB RESISTANCE:
 Construction Type: I/II
 Bearing Wall Exterior / Interior: 0 Hours
 Non-Bearing Exterior / Interior Walls: 0 Hours
 Roof Construction: 0 Hours

FIRE RESISTANCE RATED WALL & ANCHOR PARTITIONS:
 Notes: No Fire Walls, No Occupancy Separation/vertical openings, or exit enclosures provided for this project.

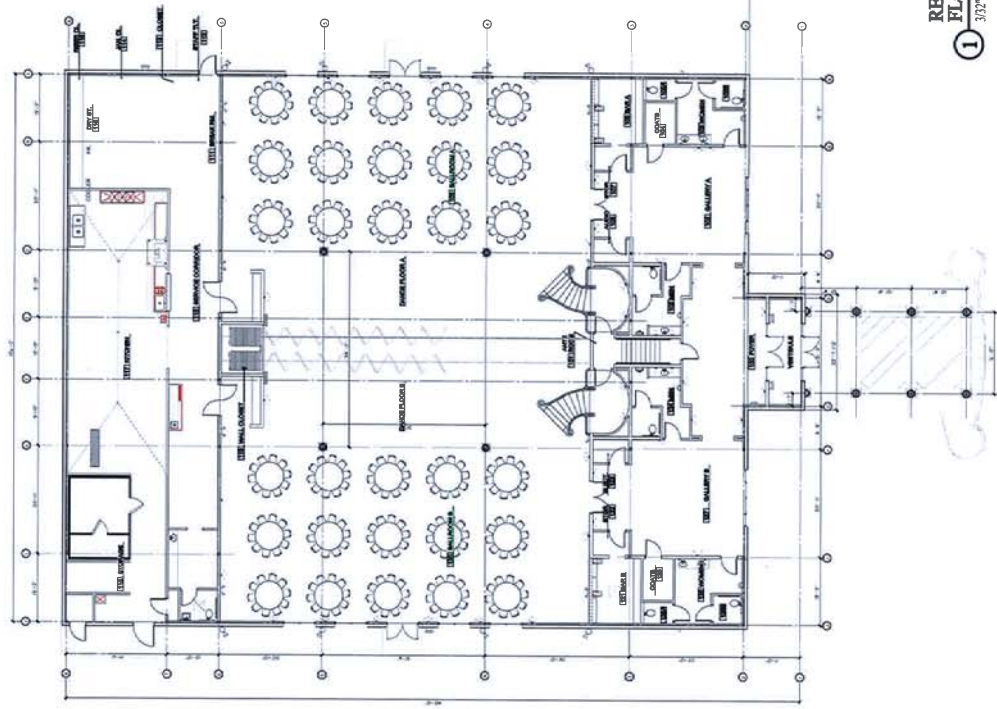
RECEPTION OCCUPANCY LOADS (OCCUPIED SPACE ONLY)

ROOM NO.	ROOM NAME	S.F.	DOORSP.	DOOR	DOOR WIDTH
115	BALCONY A	861	1/16	82.4	8'3"
117	DANCE FLOOR B	861	1/16	82.4	8'3"
A-2 ASSEMBLY OCCUPANCY LOADS		7657	1/16	82.4	8'3"
GROUP B BUSINESS OCCUPANCY LOADS (GROUP B USE ONLY)		48	0.3	0.30"	30"
112	STORAGE	84	0.30	0.30"	30"
113	BAR B	51	0.10	1.4	0.20"
114	BAR A	141	0.10	1.4	0.20"
116	RESTROOM	85	0.10	1.4	0.20"
122	STORAGE	85	0.30	0.30"	30"
123	JANITOR CLOSET	62	0.20	0.20"	20"
124	COFFEE BREAKER	130	0.10	1.4	0.20"
125	COFFEE BREAKER	130	0.10	1.4	0.20"
127	BREAK ROOM	221	0.20	2.2	0.44"
129	STORAGE	85	0.30	0.30"	30"
B BUSINESS OCCUPANCY LOAD		32.5	1	5.0"	5'0"
MAXIMUM OCCUPANCY LOAD		511	78.28"		

RECEPTION SEATING CAPACITY

ROOM NO.	ROOM NAME	SEATING CAPACITY	TOTAL SEATING CAPACITY
116	BALCONY A	15	15
128	BALCONY B	15	15
TOTAL		30	30

APPLICABLE CODES:
 IBC 2015 International Building Code, as amended
 IBC 2015 International Fire Code, as amended
 IBC 2015 International Mechanical Code, as amended
 IBC 2015 International Plumbing Code, as amended
 IBC 2015 International Electrical Code, as amended
 IBC 2015 International Energy Conservation Code, as amended
 IBC 2015 International Fire and Safety Code, as amended
 IBC 2015 International Fire and Safety Code, as amended
 IBC 2015 International Fire and Safety Code, as amended
 IBC 2015 International Fire and Safety Code, as amended



RECEPTION FLOOR PLAN
 1/32" = 1'-0"



DANIEL NORDON
1121 Liberty Lane
Crestwood, MO 63117
(616) 482-9223
dnn@dnad.com
Number 081103237

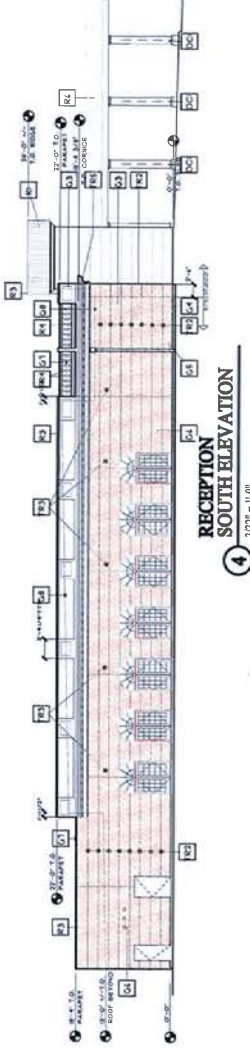
Ashton Gardens Village of Bartlett
Reception Facility for
Ashton Gardens Village of Bartlett
Center of Devon Ave. & South Prospect Ave.
Bartlett, DuPage County, Illinois

This drawing and all information contained hereon are the property of Ashton Gardens LLC (AGC). It is project named herein and its use is limited to the specific project named herein and within the context of AGC in general.

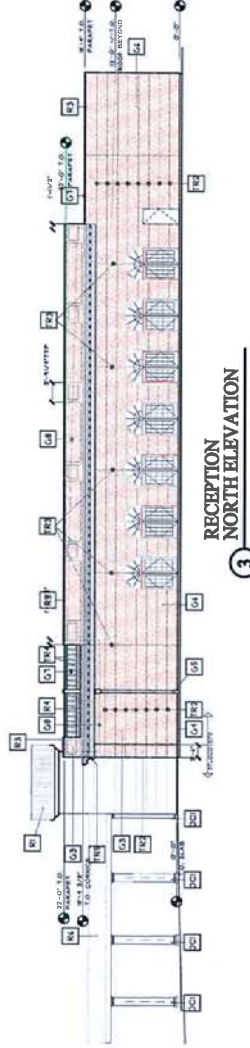
REVISION	DATE
ISSUED	02/24/2014
REVISED	03/11/2014

A-2
RECEPTION ELEVATIONS

- G. GENERAL ITEMS**
- 1) COLOR FINISH - TO MATCH EP/STUCCO
 - 2) GLAZING SYSTEM - WHITE
 - 3) GLAZING SYSTEM - WHITE
 - 4) GLAZING SYSTEM - WHITE
 - 5) GLAZING SYSTEM - WHITE
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 - 17) GLAZING SYSTEM - WHITE
 - 18) GLAZING SYSTEM - WHITE
 - 19) GLAZING SYSTEM - WHITE
 - 20) GLAZING SYSTEM - WHITE
- R. ROOFING**
- 1) 2" D.A. STONE COLUMN - CORRELSTONE
 - 2) SAND COLUMN
 - 3) SAND COLUMN
 - 4) SAND COLUMN
 - 5) SAND COLUMN
 - 6) SAND COLUMN
 - 7) SAND COLUMN
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 - 17) SAND COLUMN
 - 18) SAND COLUMN
 - 19) SAND COLUMN
 - 20) SAND COLUMN
- DC. DECORATIVE COLUMN**
- 1) 2" D.A. STONE COLUMN - CORRELSTONE
 - 2) SAND COLUMN
 - 3) SAND COLUMN
 - 4) SAND COLUMN
 - 5) SAND COLUMN
 - 6) SAND COLUMN
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 - 16) SAND COLUMN
 - 17) SAND COLUMN
 - 18) SAND COLUMN
 - 19) SAND COLUMN
 - 20) SAND COLUMN
- TRIM / FINISH**
- 1) 2" D.A. STONE COLUMN - CORRELSTONE
 - 2) SAND COLUMN
 - 3) SAND COLUMN
 - 4) SAND COLUMN
 - 5) SAND COLUMN
 - 6) SAND COLUMN
 - 7) SAND COLUMN
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 - 20) SAND COLUMN



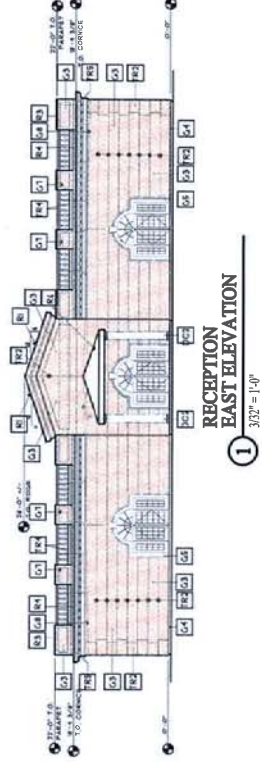
RECEPTION SOUTH ELEVATION
④ 3/32" = 1'-0"



RECEPTION NORTH ELEVATION
③ 3/32" = 1'-0"

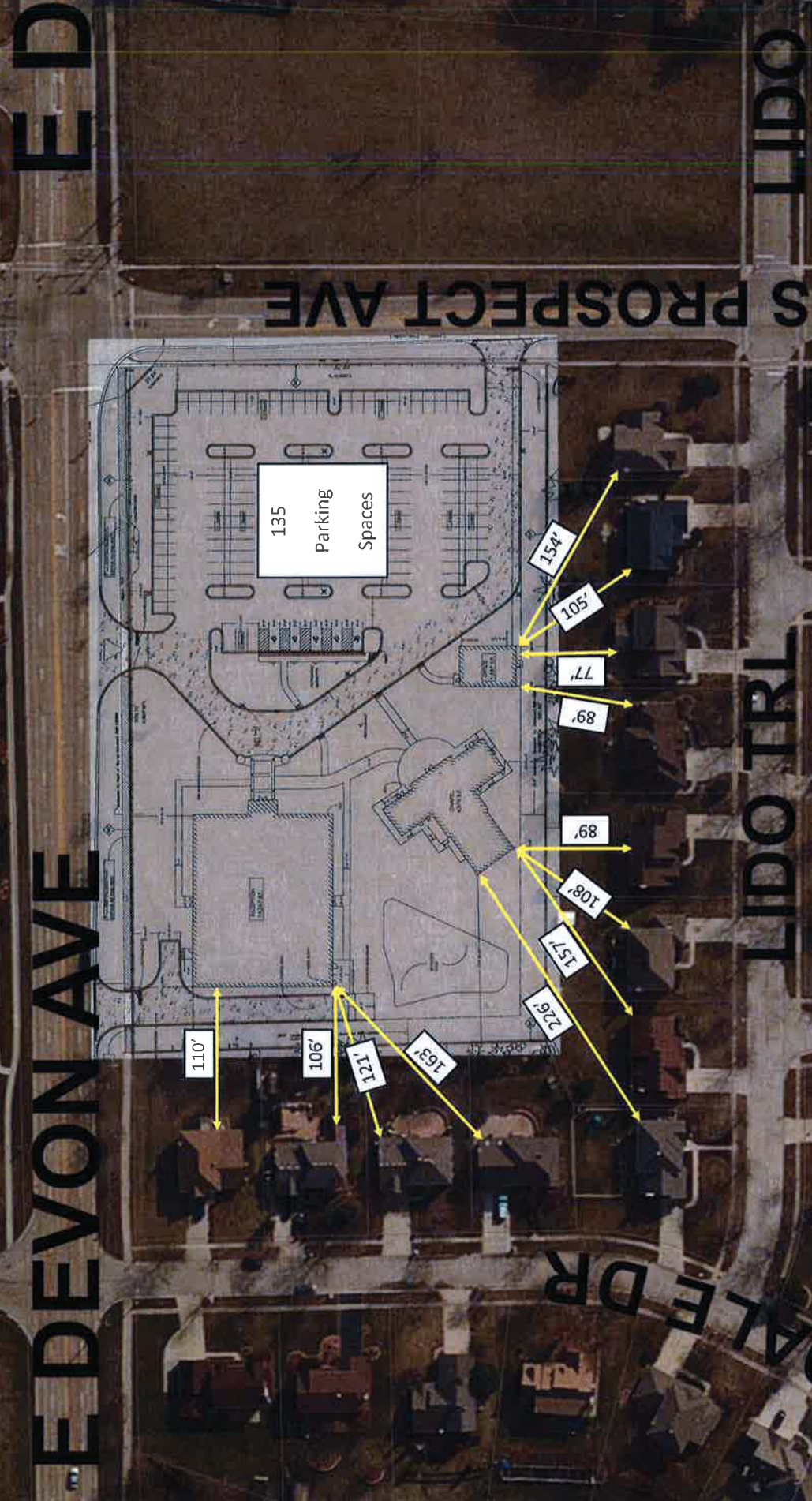


RECEPTION WEST ELEVATION
② 3/32" = 1'-0"



RECEPTION EAST ELEVATION
① 3/32" = 1'-0"

Ashton Gardens Bartlett, Illinois



S PROSPECT AVE

E DEVON AVE

N DARTMOUTH DR



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USG, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Ashton Gardens
Houston, Texas

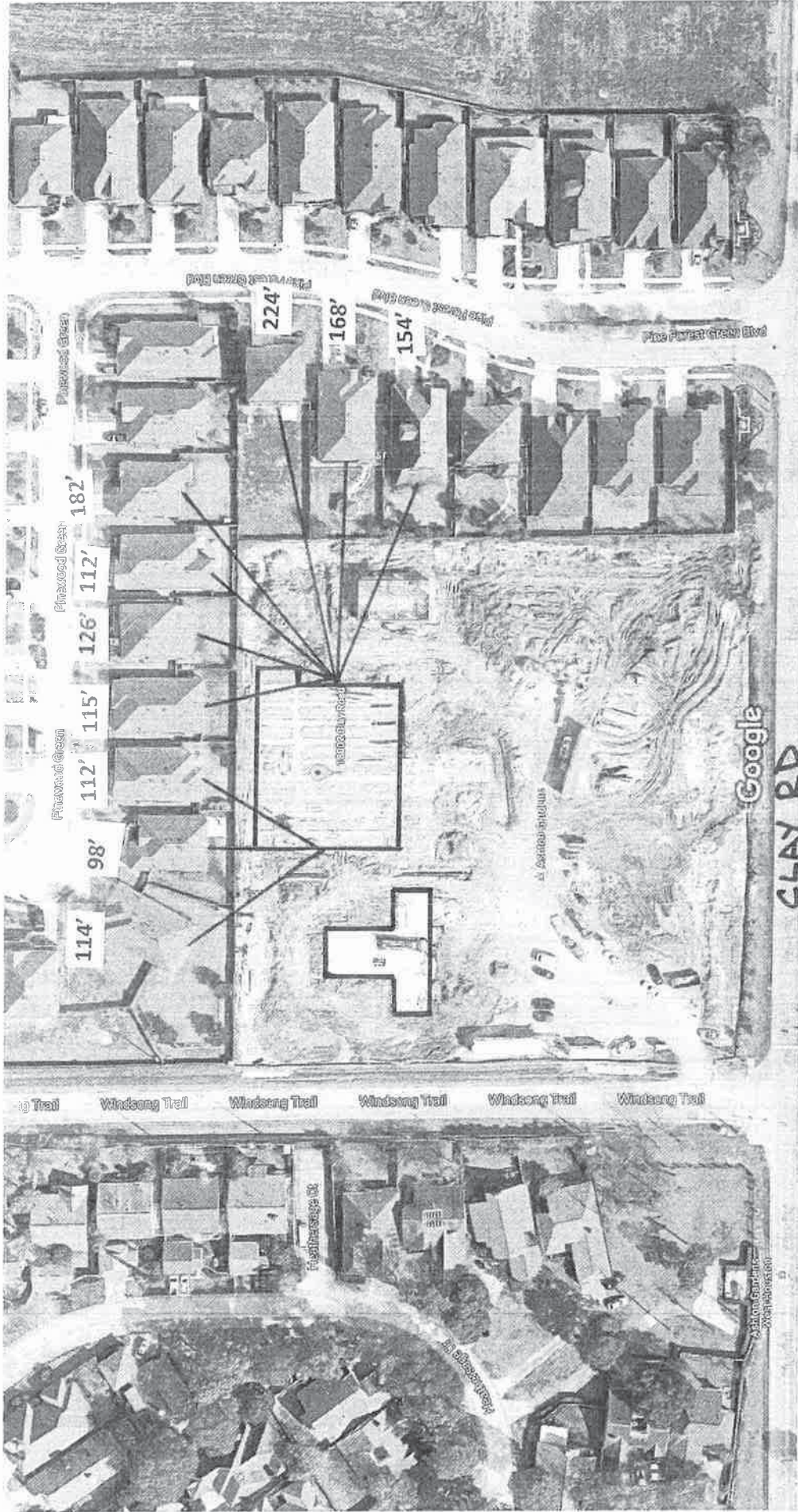
184
Parking
Spaces

Pine Forest Green Blvd

Windsong Trail

Clay Rd

Google Maps 18002 Clay Rd



Imagery ©2016 Google, Map data ©2016 Google 50 ft.

Ashton Gardens Houston West Adjacent Residences

AUG 02 2016

ASHTON GARDENS DALLAS / FT. WORTH
Neighboring Property Values

VILLAGE OF
BARTLETT

Property Street	2016	2015	2014	2013	2012	2011	Increase 2011-16
Post Oak Cir	235,000	216,500	210,168	192,215	192,500	192,500	22.08%
	248,902	235,124	212,873	195,191	199,852	215,494	15.50%
	251,175	237,814	216,236	199,090	203,610	218,778	14.81%
Average By Street							17.46%
Wood Edge Ct	237,301	223,940	202,362	185,216	189,736	204,904	15.81%
	263,500	250,000	235,087	215,649	220,768	237,943	10.74%
	290,882	277,062	226,700	207,670	214,100	224,405	29.62%
	275,281	260,055	235,524	215,990	221,127	238,367	15.49%
	246,000	234,700	212,900	194,090	200,100	213,135	15.42%
	271,278	259,690	235,537	210,000	210,000	210,000	29.18%
Average By Street							19.38%
Fair Oaks Cir	245,000	220,000	220,000	215,000	215,000	215,000	13.95%
	262,226	249,604	205,000	194,308	197,670	200,000	31.11%
	240,553	230,000	217,911	195,000	195,000	195,000	23.36%
Average By Street							22.81%
Hayden Ln	221,111	217,000	201,035	180,000	180,000	180,000	22.84%
	236,077	237,565	215,585	198,130	202,669	213,738	10.45%
	287,036	273,244	226,000	225,658	229,285	243,414	17.92%
	214,482	203,302	184,055	169,215	173,202	183,719	16.74%
	243,740	231,897	209,137	191,035	195,745	208,754	16.76%
	240,700	228,998	206,509	188,621	193,276	206,139	16.77%
Average By Street							16.91%

Overall Average 18.81%

ASHTON GARDENS HOUSTON NORTH
Neighboring Property Values

Property Street	2016	2015	2014	2013	2012	2011	Increase 2011-16
Kenchester		139,735	127,032	115,484	117,794	117,794	18.63%
		149,433	135,849	124,784	123,736	123,736	20.77%
		151,539	128,331	117,210	117,210	117,210	29.29%
		90,729	78,665	73,015	73,015	73,015	24.26%
		138,832	126,211	114,738	113,317	113,317	22.52%
Average By Street							23.09%
Gloucester		111,217	111,217	111,217	119,709	119,709	-7.09%
		139,266	126,606	115,097	123,550	120,550	15.53%
		143,003	130,003	118,185	120,000	120,000	19.17%
		156,370	142,500	129,546	139,128	139,128	12.39%
		155,437	141,307	128,461	133,934	133,934	16.05%
Average By Street							11.21%

Overall Average 17.15%

ASHTON GARDENS DECIBEL LEVEL / NOISE ANALYSIS

Performed at Ashton Gardens Houston West

Location is very similar to Bartlett location in that the site is flanked by intersecting 4 lane road and a 2 lane road as well as similar proximity of residents

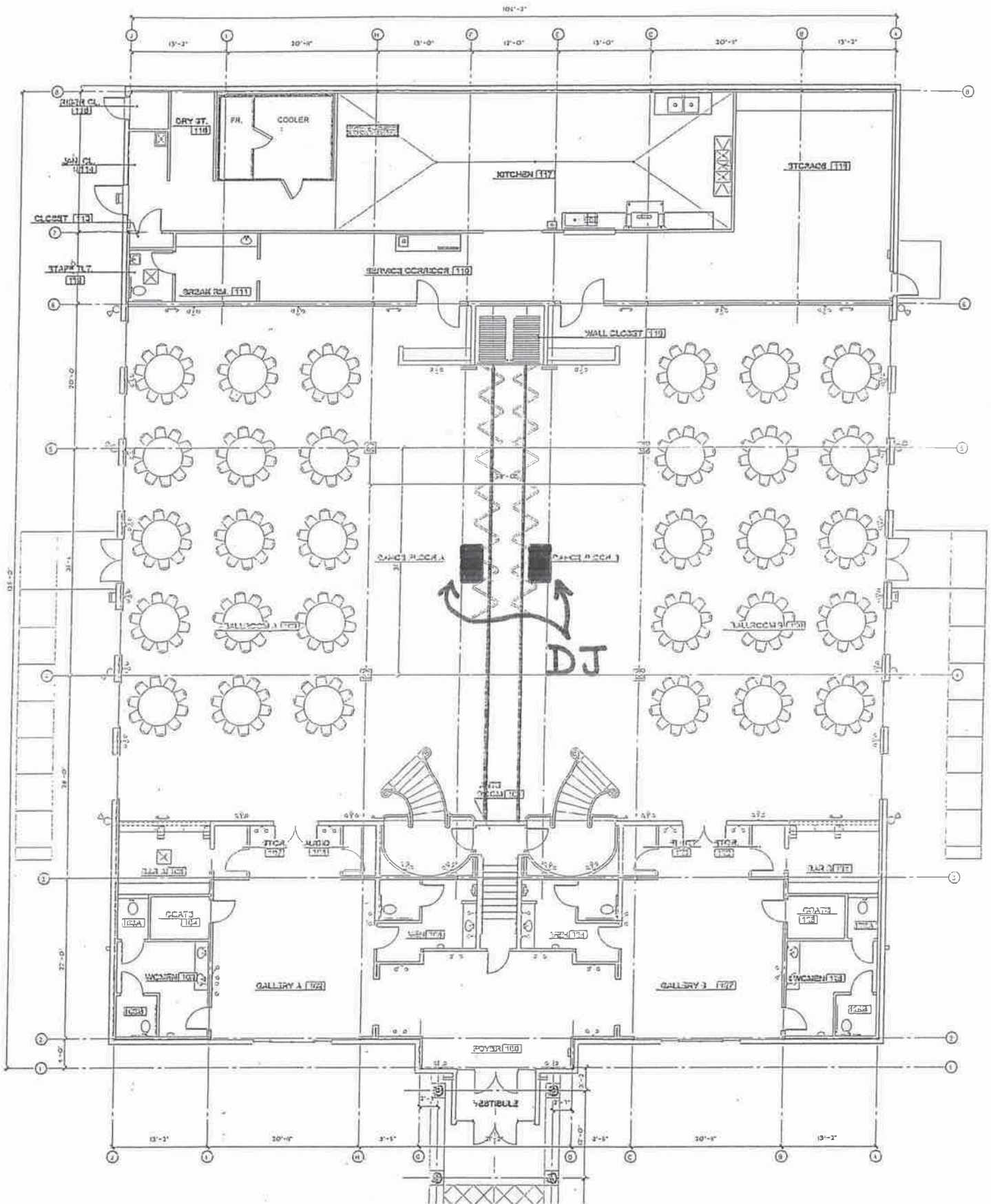
Locations and Levels of Decibel Readings & Criteria

- DJ playing music at peak dance time
- DJ with back to center divider wall
- DJ facing exterior window wall with exit door
- Reading #1 - inside ballroom, in front of DJ, interior far corner: 98 – 100 decibels
- Reading #2 – outside ballroom, 25 feet from window wall and exit door : 74 – 80 decibels
- Reading #3 – outside ballroom, 75 feet from window wall and exit door: 70 – 74 decibels
- Reading #4 – outside ballroom, 130 feet from window wall and exit door: 70 – 74 decibels

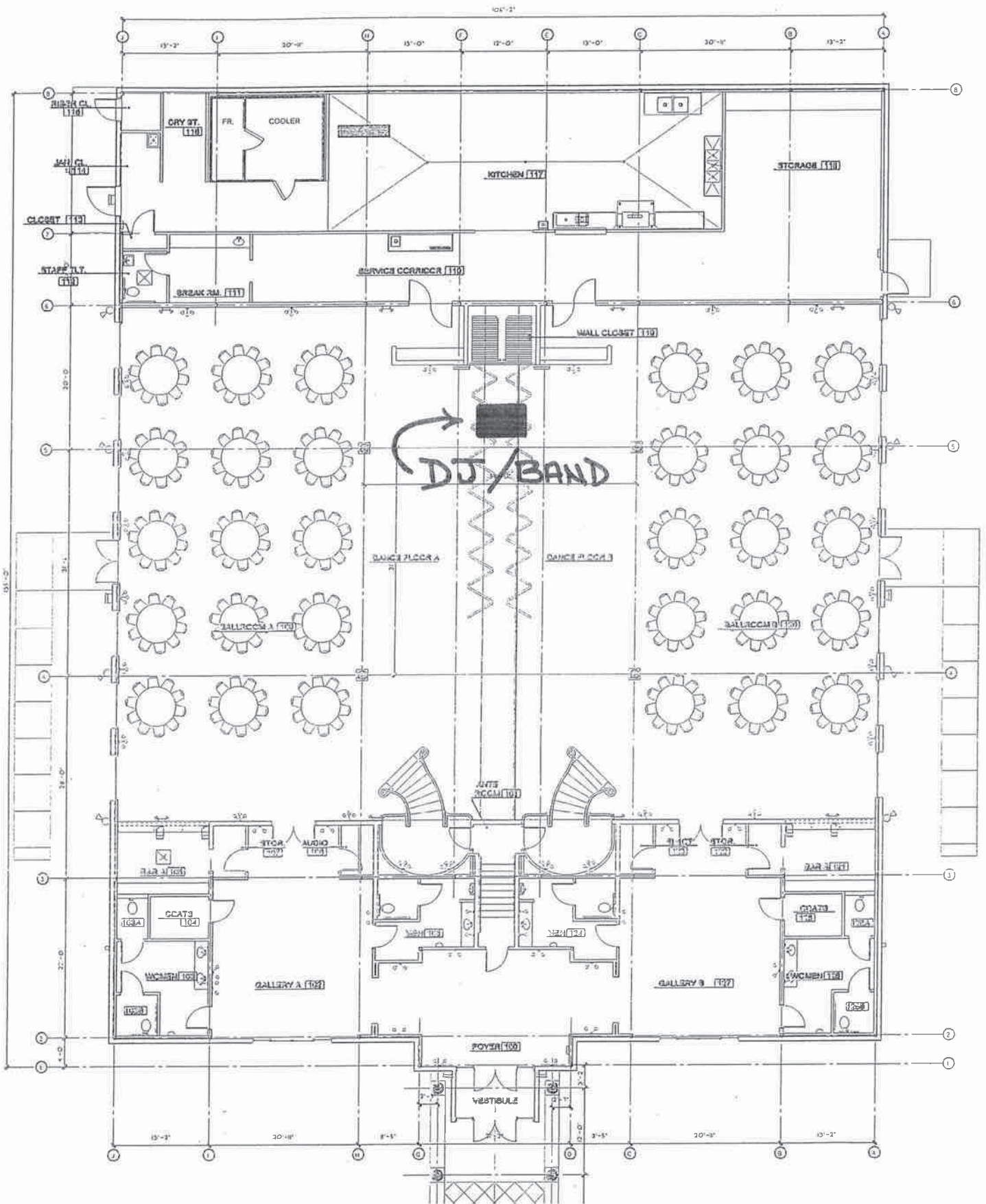
Notation: outside readings ranges were a result of normal traffic detected on Clay Road

Comparative Decibel Levels of Common Sounds

Sound (dB)	Sound noise (with distance)
0 dB	Hearing threshold
10 dB	Distant rustling of leaves
20 dB	Whisper close up
30 dB	Quiet rural area
40 dB	Quiet library
50 dB	Conversation at home
60 dB	Conversation in a bar
70 dB	Vacuum cleaner at 3ft. (1m)
80 dB	Close alarm clock
90 dB	Operating a lawn mower
100 dB	Speaker in a club 3ft. (1m) away
110 dB	Vehicle horn 3ft. (1m) away
120 dB	Chain saw close up (discomfort)
130 dB	Jack hammer (pain threshold)
140 dB	Jet engine (pain threshold)
150+ dB	Eardrum rupture

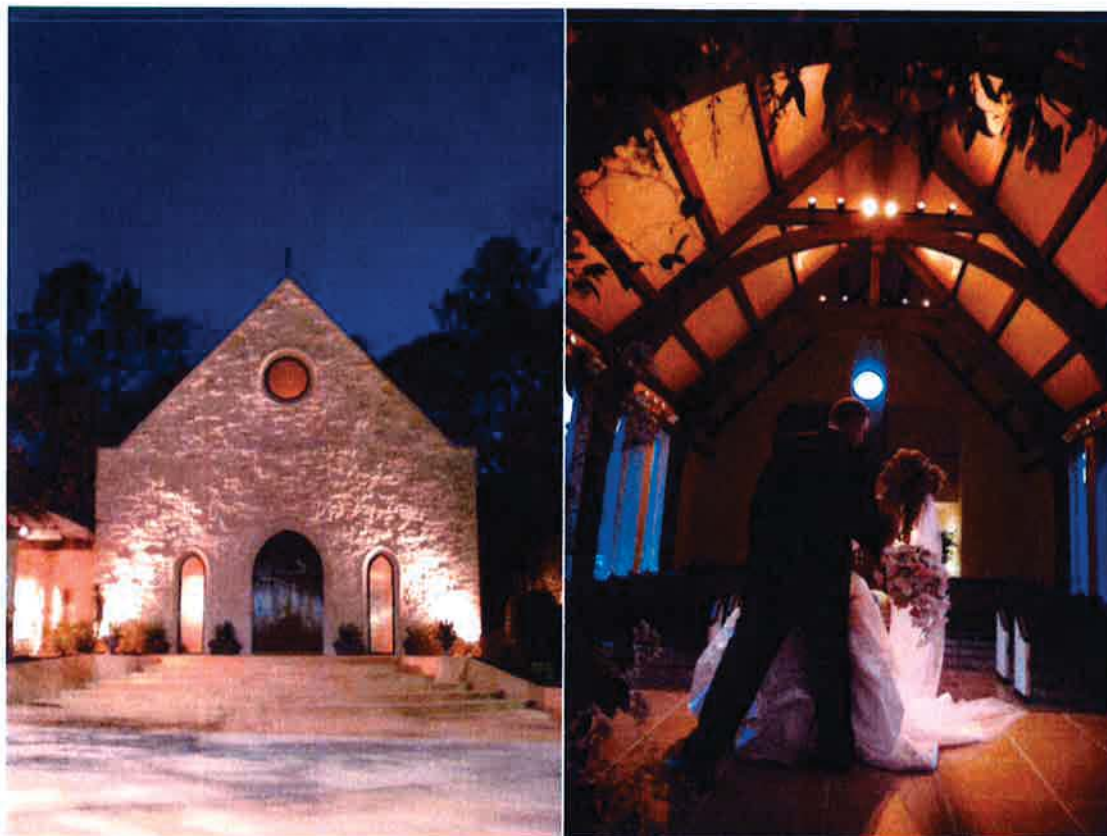


Location of DJ's with divider walls closed - single ballroom event



Location of DJ or band with divider walls open – double ballroom event

Intimate Ceremonies



Elegant Receptions

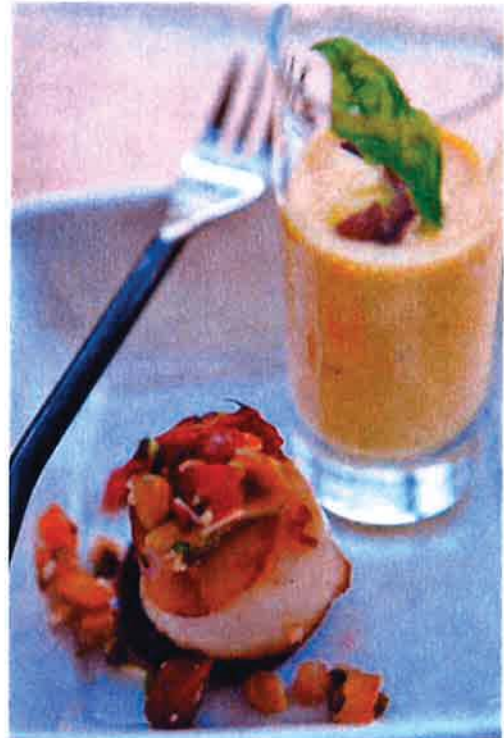








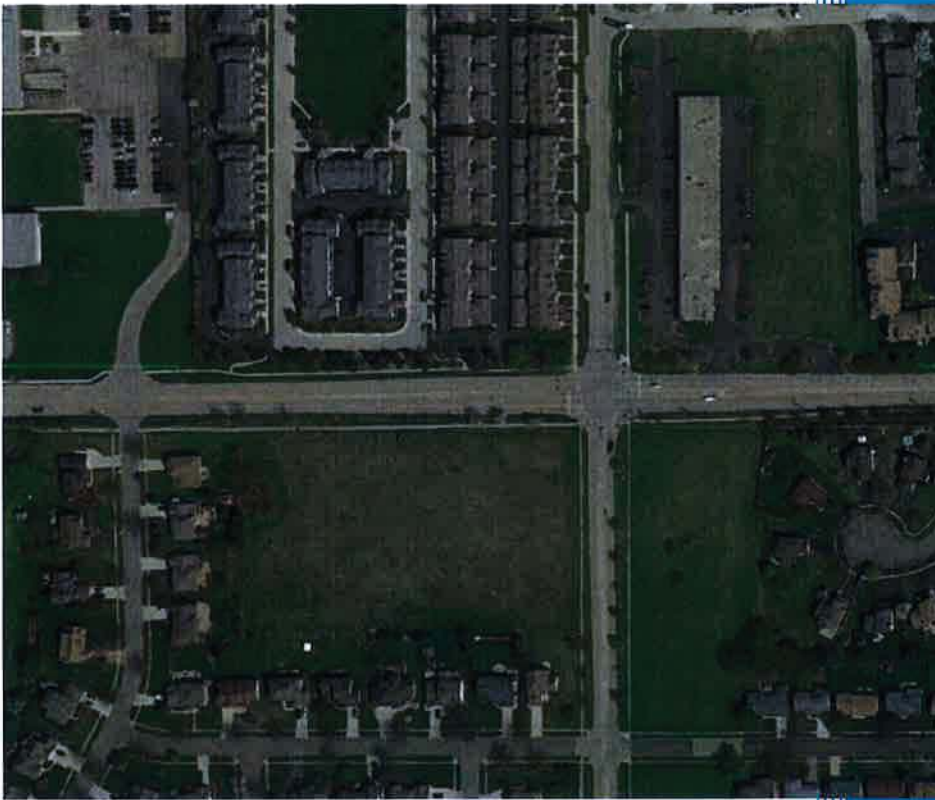
Exquisite Cuisine



April 2016

Ashton Gardens

Traffic and Parking Study



Prepared for:

Dennis L. Norton
Architect

Eriksson Engineering Associates, Ltd.

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Grayslake, IL 60030

(847) 223-4804

601 W. Randolph St., Suite 500

Chicago, IL 60661

(312) 463-0551

INTRODUCTION

Eriksson Engineering Associates, Ltd. was retained by Dennis L. Norton Architect to conduct a traffic impact and parking demand study for a proposed wedding chapel and reception hall in Bartlett, Illinois. The proposed site is located on the south side of Devon Avenue and west of Prospect Avenue.

The purpose of the study was to observe the existing traffic patterns around the site, determine the traffic characteristics of the proposed development, review the parking needs, and develop roadway and parking recommendations.

EXISTING CONDITIONS

Site Location and Area Land-Use

The subject site is currently vacant and located at the southwest corner of Devon and Prospect Avenues in Bartlett, Illinois. Uses around the site include single-family residential to the west and south, multi-family residential to the north, and vacant land/single-family residential to the east. Industrial buildings are located to the northwest and a retail building to the northeast. **Figure 1** illustrates the site and the surrounding land-uses and roads (All figures are located at the end of the report).

Bicycle and Pedestrian Routes

Designated bike routes are located on the south side of Devon Avenue and on Prospect Avenue north of Devon Avenue. Public sidewalks are provided along the site's frontage on both sides of each road.

Roadway Characteristics

A description of the area roadways providing access to the site is provided below:

Devon Avenue (DuPage County 6) is a four-lane east-west undivided arterial with a posted speed limit of 35 mph. A multi-use path is provided along the south side of Devon Avenue adjacent to the site. At its signalized intersection with Prospect Avenue, it widens out to provide separate left-turn lanes. Devon Avenue is under the jurisdiction of DuPage County Division of Transportation.

Prospect Avenue is a three-lane north-south collector with a striped center median and a posted speed limit of 30 mph south of Devon Avenue and 25 mph north of Devon Avenue. Sidewalks are provided on both sides of the street. A left-turn lane is provided at the Devon Avenue intersection. Prospect Avenue is under the jurisdiction of Village of Bartlett.

Existing Traffic Volumes

Friday evening (4:00 to 7:00 PM) and Saturday evening (4:00 to 7:00 PM) manual traffic counts were conducted in April, 2016 at the intersection of Devon and Prospect Avenues. These counts showed the peak-hours of traffic occurring 5:00 to 6:00 PM on Friday and 5:30 PM to 6:30 PM on Saturday. At the intersection of Devon and Prospect Avenues, the Saturday counts were 39% lower than the Friday volumes. The existing traffic volumes are shown in **Figure 2** and included in the **Appendix**.

SITE TRAFFIC CHARACTERISTICS

Site Plan

Ashton Gardens is a wedding chapel and banquet facility that provides a single location for a wedding party and their guests to attend a ceremony and then stay for the reception. The site plan calls for the construction of three buildings on the property with a small 1,000 square foot office, a wedding chapel accommodating up to 244 persons, and the banquet hall holding 300 persons with 30 serving staff. A total of 142 parking spaces are proposed with six accessible spaces. A combined drop-off/loading lane is located in the front of the chapel and banquet hall. Refuse pick-up will be located on the west side of the building. Full access points are proposed Devon and Prospect Avenues.

Trip Generation

Weddings and the receptions are mostly held in the evenings after peak commuter traffic. The busiest days will be Fridays and Saturdays. Approximately 85% of the guests will arrive for the wedding ceremony while the rest come later for the reception. The vehicle occupancy rate is 3 persons per vehicle. The resulting site traffic volumes are shown in Table 1.

**Table 1
Ashton Gardens Site Traffic Volumes**

Friday Evening			Saturday Evening		
In	Out	Total	In	Out	Total
70	10	80	70	10	80

To be conservative, these volumes were combined with the peak-hour traffic volumes from the counts. Event start times will vary on a day to day basis.

Trip Distribution

The trip distribution to the site is based on a combination of the existing traffic volumes, the distribution of residences in the area, and the regional road network. The distribution of traffic is shown on Table 2 and Figure 3.

**Table 2
Directional Distribution**

Direction	Distribution
North on Prospect Avenue	10%
South on Prospect Avenue	10%
East on Devon Avenue	50%
West on Devon Avenue	30%
Total	100%

Trip Assignment

The future vehicular trips that are generated by the development were distributed to the adjacent roadways based on the directional distribution analysis and the proposed site plan. **Figure 4** displays the trip assignment for the development’s traffic volumes. **Figure 5** shows the Total Traffic volumes, which is the sum of the existing traffic volumes and the projected site traffic volumes.

ANALYSES

Intersection Capacity Analyses

An intersection’s ability to accommodate traffic flow is based on the average control delay experienced by vehicles passing through the intersection. The intersection and individual traffic movements are assigned a level of service (LOS), ranging from A to F based on the control delay created by a traffic signal or stop sign. Control delay consists of the initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. LOS A has the best traffic flow and least delay. LOS E represents saturated or at capacity conditions. LOS F experiences oversaturated conditions and extensive delays. The Highway Capacity Manual definitions for levels of service and the corresponding control delay for both signalized and unsignalized intersections are shown in **Table 3**.

Capacity analyses were conducted for each intersection using the HCS computer program to determine the existing and future operating conditions of the access system. These analyses were performed for the weekday peak-hours. Copies of the capacity analysis summaries are included in the **Appendix**. **Table 4** shows the existing and projected level of service and vehicular delay results for each intersection.

**Table 3
Level of Service Criteria for Intersections**

Level of Service	Description	Control Delay (seconds/vehicle)	
		Signals	Stop Signs
A	Minimal delay and few stops	<10	<10
B	Low delay with more stops	>10-20	>10-15
C	Light congestion	>20-35	>15-25
D	Congestion is more noticeable with longer delays	>35-55	>25-35
E	High delays and number of stops	>55-80	>35-50
F	Unacceptable delays and over capacity	>80	>50

Source: Highway Capacity Manual 2010

Devon Avenue Access Drive

The proposed driveway on Devon Avenue will have one inbound lane and one outbound lane under stop sign control. It is 270 feet west of Prospect Avenue and will operate well with the projected traffic volumes. A separate left-turn lane is not required on Devon Avenue.

Prospect Avenue Access Drive

The proposed driveway on Prospect Avenue will have one inbound lane and one outbound lane under stop sign control. It is 300 feet south of Devon Avenue and will operate well with the projected traffic volumes.

**Table 4
Intersection Level of Service and Delay**

Intersection	Friday Evening		Saturday Evening	
	Existing	Total	Existing	Total
Devon Avenue at Prospect Avenue (Signalized)	LOS B-16.5	LOS B-16.5	LOS B-18.8	LOS B-18.5
Ashton Gardens Access On Devon Avenue (Stop Controlled)		Nb Lt/Rt-LOS B-12.1 Wb Lt -LOS A-0.5		Nb Lt/Rt-LOS B-10.2 Wb Lt -LOS A-0.8
Ashton Gardens Access On Prospect Avenue (Stop Controlled)		Eb Lt/Rt-LOS B-10.3 Nb Lt -LOS A-0.4		Eb Lt/Rt-LOS B-10.1 Nb Lt -LOS A-0.4

Devon Avenue at Prospect Avenue

The signalized intersection works well today with a good level of service and minimal vehicular delays. The proposed development will not have an adverse impact on the intersection.

Delivery/Refuse Access

The proposed delivery/refuse driveway on Devon Avenue will have one inbound lane and one outbound lane under stop sign control. It is 500 feet west of Prospect Avenue. Deliveries will be between 9:00 AM and 1:00 PM. Approximately eight trucks will make deliveries throughout the week.

PARKING

Parking requirements for the development were calculated based on the Village of Bartlett Zoning Code. Table 5 shows the parking required by code for each component of the project.

**Table 5
Zoning Code Parking Requirements**

Use	Size	Zoning Code	Required Parking
Chapel	244 seats	One spaces for every 4 seats	61 spaces
Reception Hall	300 persons and 30 staff	Parking space shall be provided equal to 30 per cent of the capacity of the facility in persons.	99 spaces
Office	1,000 sq. ft.	One Space for every 275 sq. ft.	4 spaces
Parking Required			164 spaces
Parking Provided			142 spaces

The proposed site plan has a total of 142 parking spaces, including 6 accessible spaces, and provides 86% of the zoning code requirement. It exceeds the accessible requirement of 5 spaces. A small parking variation is required for 16 spaces.

Zoning codes are based the assumption that the individual components of a development are occupied at the same time. Ashton Gardens provides the convenience of a single-location for a wedding and reception so the guests can drive and park once. The peak use of the office space is during the day when staff is planning for upcoming events. During events, the staff will be assisting at the chapel and reception hall and not in the office. The chapel and the reception hall will only be used in conjunction with one event. They are not going to schedule two different events at the same times that could create a parking problem. With the reception hall as the biggest user on the site, the code would require 99 spaces which is less than the 142 spaces provided.

Discussions with the Ashton Gardens operator indicate that the peak parking demand is 125 vehicles at their other facilities.

SUMMARY

This report summarizes the results of traffic and parking study for a proposed Ashton-Garden wedding chapel and reception hall in Bartlett, Illinois. The findings of the study are:

- The volume of traffic generated by the development will have no adverse impact on peak-hour traffic conditions on Devon or Prospect Avenues.
- Access to the site will be provided by three full access drives:
 - A delivery/refuse drive on the west side of the building on Devon Avenue.
 - A full access drive on Devon Avenue
 - A full access Drive on Prospect Avenue.
- An on-site loading space is provided in on the west side of the reception hall for deliveries and refuse pick-up.
- The Village Zoning Code requires 164 parking spaces based on the simultaneous usage of all three buildings on the site. With 142 parking spaces provided, a parking variation of 16 spaces is required.
- The proposed usage of the development and the parking information from other facilities indicate the parking demand would be less than 125 vehicles.



LEGEND

00 Friday Peak

(00) Saturday Peak



Traffic Signal



60 (20)
65 (71)
91 (62)

125 (63)
344 (165)
85 (60)

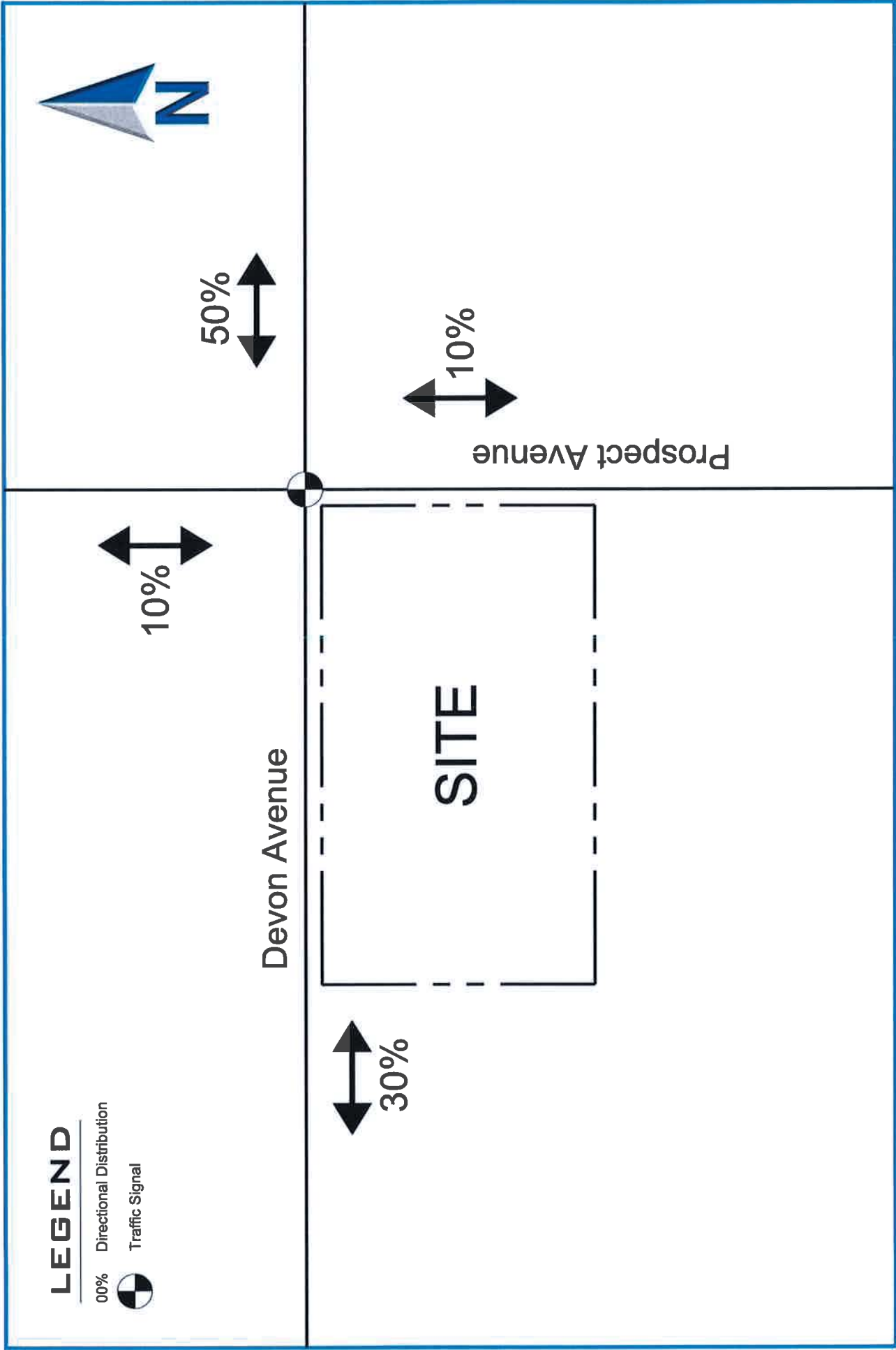
Devon Avenue

(26) 65
(141) 233
(34) 64

SITE

(31) 39
(40) 59
(66) 37

Prospect Avenue



Directional Distribution
Figure 3

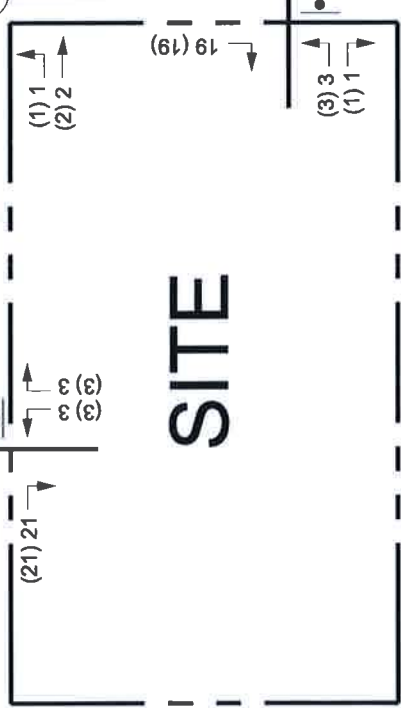
LEGEND

- Stop Sign
- 00 Friday Peak
- (00) Saturday Peak
- ◐ Traffic Signal



Devon Avenue

Prospect Avenue



23 (23)
 (3) 3
 (3) 3
 (21) 21
 (1) 1
 (2) 2
 3 (3)
 4 (4)

SITE

19 (19)

(7) 7

20 (20)
 15 (15)

(3) 3



ERIKSSON
 ENGINEERING
 ASSOCIATES, LTD.

Site Traffic Volumes

Figure 4

LEGEND

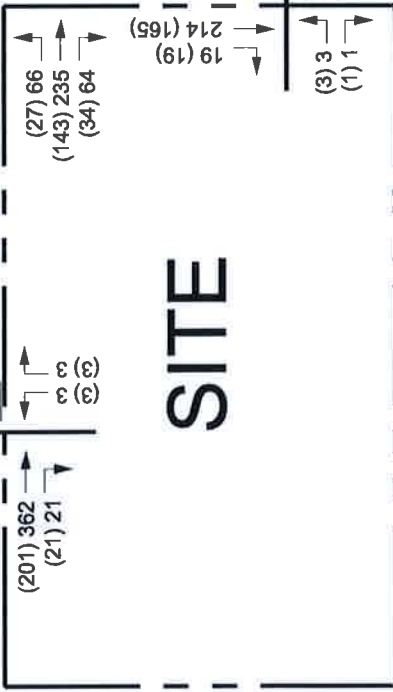
- Stop Sign
- 00 Friday Peak
- (00) Saturday Peak
-  Traffic Signal



Devon Avenue

63 (23)
69 (75)
91 (62)

443 (216)
23 (23)



(31) 39
(40) 59
(69) 40

(7) 7
(137) 135

Prospect Avenue



Traffic and Parking Study Appendix

- **2016 Existing Traffic Counts**
- **Existing Capacity Analyses**
- **Total Capacity Analyses**



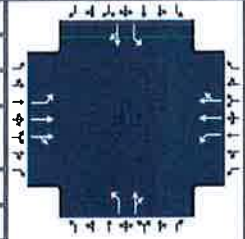
Devon Avenue at Prospect Avenue

Bartlett, Illinois

Begin Time	Prospect Avenue Southbound			Devon Avenue Westbound			Prospect Avenue Northbound			Devon Avenue Eastbound			15 Minute Totals	60 Minute Totals	Peak Hour Factor
	Right Turn	Through	Left Turn	Right Turn	Through	Left Turn	Right Turn	Through	Left Turn	Right Turn	Through	Left Turn			
	Friday, April 8, 2016														
4:00 PM	8	10	15	27	73	17	9	11	13	10	48	10	251	1072	0.85
4:15 PM	14	17	15	19	77	22	8	13	9	10	32	10	250	1120	0.89
4:30 PM	20	15	15	18	60	17	9	22	9	13	51	13	257	1194	0.92
4:45 PM	9	11	30	37	88	25	9	13	16	11	45	11	314	1254	0.97
5:00 PM	15	10	21	26	72	12	7	17	7	19	75	19	299	1267	0.97
5:15 PM	16	17	31	38	84	26	5	14	10	17	49	17	324	1254	0.96
5:30 PM	13	18	18	33	84	16	11	17	14	14	63	16	317	1165	0.89
5:45 PM	16	20	21	28	104	31	14	11	8	13	46	13	327	1115	0.85
6:00 PM	12	18	23	32	80	21	10	12	15	8	38	8	286	1022	0.89
6:15 PM	6	13	16	27	61	21	8	16	11	12	38	6	235		
6:30 PM	11	19	17	30	64	20	8	17	7	13	53	8	267		
6:45 PM	9	13	12	25	74	18	9	9	8	7	43	7	234		
Total	149	181	234	340	921	246	107	172	127	165	581	138	1267		
5:00-6:00 PM	60	65	91	125	344	85	37	59	39	64	233	65			
	Saturday, April 9, 2016														
4:00 PM	4	11	15	22	44	10	20	15	3	7	48	7	206	777	0.94
4:15 PM	7	12	10	16	44	10	8	14	7	4	40	8	180	749	0.92
4:30 PM	6	11	18	15	41	14	13	20	6	4	31	9	188	741	0.91
4:45 PM	13	11	10	21	29	16	18	23	5	8	38	11	203	754	0.93
5:00 PM	8	7	18	15	40	17	9	10	8	5	36	5	178	753	0.93
5:15 PM	11	7	14	7	43	9	12	8	6	9	37	9	172	769	0.95
5:30 PM	3	13	17	18	49	15	16	11	8	8	38	5	201	779	0.96
5:45 PM	4	10	12	23	44	18	20	12	11	9	30	9	202	734	0.91
6:00 PM	7	27	22	8	32	12	20	8	6	12	35	5	194	675	0.87
6:15 PM	6	21	11	14	40	15	10	9	6	5	38	7	182		
6:30 PM	6	4	15	14	33	13	12	13	6	6	29	5	156		
6:45 PM	4	7	8	16	36	12	6	14	6	7	24	3	143		
Total	79	141	170	189	475	161	164	157	78	84	424	83	779		
5:30-6:30 PM	20	71	62	63	165	60	66	40	31	34	141	26			

HCS 2010 Signalized Intersection Input Data

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Friday Existing Peak	PHF	0.97
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1 > 17:00
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Friday Existing Volumes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	65	233	64	85	344	125	39	59	37	91	65	60

Signal Information				Signal Timing and Phases											
Cycle, s	100.0	Reference Phase	2	EB			WB			NB			SB		
Offset, s	0	Reference Point	End	Green	5.1	0.4	64.5	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uncoordinated	No	Simult. Gap EW	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Force Mode	Fixed	Simult. Gap N/S	On	Red	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

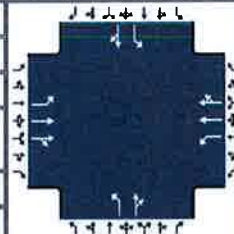
Traffic Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	65	233	64	85	344	125	39	59	37	91	65	60
Initial Queue (Q _b), veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Base Saturation Flow Rate (s ₀), veh/h	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Parking (N _m), man/h	None			None			None			None		
Heavy Vehicles (P _{HV}), %	3	3		3	3		3	3		3	3	
Ped / Bike / RTOR, /h	0	0	0	0	0	0	0	0	0	0	0	0
Buses (N _b), buses/h	0	0	0	0	0	0	0	0	0	0	0	0
Arrival Type (AT)	3	3	3	3	3	3	3	3	3	3	3	3
Upstream Filtering (I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lane Width (W), ft	12.0	12.0		12.0	12.0		12.0	12.0		12.0	12.0	
Turn Bay Length, ft	135	0		135	0		100	0		125	0	
Grade (Pg), %	3			0			0			0		
Speed Limit, mi/h	35	35	35	35	35	35	30	30	30	25	25	25

Phase Information	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Maximum Green (G _{max}) or Phase Split, s	20.0	45.0	20.0	45.0		35.0		35.0
Yellow Change Interval (Y), s	3.0	4.0	3.0	4.0		4.0		4.0
Red Clearance Interval (R _c), s	0.0	2.0	0.0	2.0		2.0		2.0
Minimum Green (G _{min}), s	6	6	6	6	6	15	6	15
Start-Up Lost Time (I _t), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Extension of Effective Green (e), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Passage (PT), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Recall Mode	Off	Min	Off	Min	Off	Off	Off	Off
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes
Walk (Walk), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Clearance Time (PC), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Multimodal Information	EB			WB			NB			SB		
85th % Speed / Rest in Walk / Corner Radius	0	No	25	0	No	25	0	No	25	0	No	25
Walkway / Crosswalk Width / Length, ft	9.0	12	0	9.0	12	0	9.0	12	0	9.0	12	0
Street Width / Island / Curb	0	0	No	0	0	No	0	0	No	0	0	No
Width Outside / Bike Lane / Shoulder, ft	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0
Pedestrian Signal / Occupied Parking	No	0.50		No	0.50		No	0.50		No	0.50	

HCS 2010 Signalized Intersection Results Summary

General Information				Intersection Information			
Agency	Eriksson Engineering			Duration, h	0.25		
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other		
Jurisdiction	DuPage/Bartlett	Time Period	Friday Existing Peak	PHF	0.97		
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:00		
Intersection	Prospect Avenue	File Name	Friday Existing.xus				
Project Description	Friday Existing Volumes						



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	65	233	64	85	344	125	39	59	37	91	65	60

Signal Information				EB				WB				NB				SB						
Cycle, s	100.0	Reference Phase	2																			
Offset, s	0	Reference Point	End	Green	5.1	0.4	64.5	15.0	0.0	0.0												
Uncoordinated	No	Simult. Gap E/W	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0												
Force Mode	Fixed	Simult. Gap N/S	On	Red	0.0	0.0	2.0	2.0	0.0	0.0												

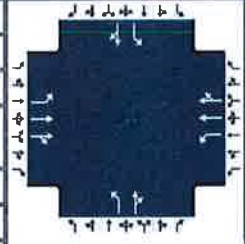
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6		8		4
Case Number	1.1	4.0	1.1	4.0		6.0		6.0
Phase Duration, s	8.1	70.5	8.5	70.9		21.0		21.0
Change Period, (Y+R _c), s	3.0	6.0	3.0	6.0		6.0		6.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0		3.3		3.3
Queue Clearance Time (g _s), s	3.2		3.6			12.0		14.3
Green Extension Time (g _e), s	0.1	0.0	0.1	0.0		0.7		0.7
Phase Call Probability	0.84		0.91			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (v), veh/h	67	156	150	88	250	233	40	99		94	129	
Adjusted Saturation Flow Rate (s), veh/h/ln	1730	1817	1684	1757	1845	1678	1244	1725		1278	1698	
Queue Service Time (g _s), s	1.2	3.3	3.5	1.6	5.5	5.7	3.1	5.2		7.1	7.0	
Cycle Queue Clearance Time (g _c), s	1.2	3.3	3.5	1.6	5.5	5.7	10.0	5.2		12.3	7.0	
Green Ratio (g/C)	0.70	0.65	0.65	0.70	0.65	0.65	0.15	0.15		0.15	0.15	
Capacity (c), veh/h	667	1172	1086	814	1198	1089	172	259		198	255	
Volume-to-Capacity Ratio (X)	0.100	0.133	0.138	0.108	0.209	0.214	0.234	0.382		0.475	0.506	
Back of Queue (Q), ft/ln (95 th percentile)	17.2	56.5	54.7	22.2	94.6	88.9	43.9	101.3		106	136.3	
Back of Queue (Q), veh/ln (95 th percentile)	0.7	2.2	2.1	0.9	3.7	3.5	1.7	4.0		4.1	5.3	
Queue Storage Ratio (RQ) (95 th percentile)	0.13	0.00	0.00	0.16	0.00	0.00	0.44	0.00		0.85	0.00	
Uniform Delay (d ₁), s/veh	5.1	6.9	6.9	4.8	7.1	7.1	43.7	38.3		43.9	39.1	
Incremental Delay (d ₂), s/veh	0.0	0.2	0.3	0.0	0.4	0.4	0.3	0.3		0.7	0.6	
Initial Queue Delay (d ₃), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (d), s/veh	5.1	7.1	7.2	4.8	7.5	7.6	44.0	38.7		44.5	39.7	
Level of Service (LOS)	A	A	A	A	A	A	D	D		D	D	
Approach Delay, s/veh / LOS	6.8		A	7.1		A	40.2		D	41.7		D
Intersection Delay, s/veh / LOS	16.5						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.2	B	2.2	B	2.9	C	2.9	C
Bicycle LOS Score / LOS	0.8	A	1.0	A	0.7	A	0.9	A

HCS 2010 Signalized Intersection Intermediate Values

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Friday Existing Peak	PHF	0.97
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1 > 17:00
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Friday Existing Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	65	233	64	85	344	125	39	59	37	91	65	60

Signal Information				Signal Timing (s)								Signal Phases												
Cycle, s	100.0	Reference Phase	2	Green	5.1	0.4	64.5	15.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0
Offset, s	0	Reference Point	End	EB				WB				NB				SB								
Uncoordinated	No	Simult. Gap E/W	On	EB				WB				NB				SB								
Force Mode	Fixed	Simult. Gap N/S	On	EB				WB				NB				SB								

Saturation Flow / Delay	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Lane Width Adjustment Factor (f_w)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Heavy Vehicle Adjustment Factor (f_{HV})	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
Approach Grade Adjustment Factor (f_g)	0.985	0.985	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Parking Activity Adjustment Factor (f_b)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Bus Blockage Adjustment Factor (f_{bb})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Area Type Adjustment Factor (f_a)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Lane Utilization Adjustment Factor (f_{LU})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Left-Turn Adjustment Factor (f_{LT})	0.952	0.000		0.952	0.000			0.000			0.000	
Right-Turn Adjustment Factor (f_{RT})		0.927			0.909			0.935			0.920	
Left-Turn Pedestrian Adjustment Factor (f_{LPB})	1.000			1.000			1.000			1.000		
Right-Turn Ped-Bike Adjustment Factor (f_{RPB})			1.000			1.000			1.000			1.000
Movement Saturation Flow Rate (s), veh/h	1730	2760		1757	2595			1060			883	
Proportion of Vehicles Arriving on Green (P)	0.05	0.65	0.65	0.05	0.65	0.65	0.15	0.15	0.15	0.15	0.15	0.15
Incremental Delay Factor (k)	0.04	0.50	0.50	0.04	0.50	0.50	0.04	0.04		0.04	0.04	

Signal Timing / Movement Groups	EBL	EBT/R	WBL	WBT/R	NBL	NBT/R	SBL	SBT/R
Lost Time (t _L)	3.0	6.0	3.0	6.0		6.0		6.0
Green Ratio (g/C)	0.70	0.65	0.70	0.65		0.15		0.15
Permitted Saturation Flow Rate (s _a), veh/h/ln	886	0	1058	0		1244		1278
Shared Saturation Flow Rate (s _{sh}), veh/h/ln								
Permitted Effective Green Time (g _e), s	64.5	0.0	64.5	0.0		15.0		15.0
Permitted Service Time (g _u), s	57.3	0.0	61.0	0.0		8.0		9.8
Permitted Queue Service Time (g _{qs}), s	0.6		0.3			3.1		7.1
Time to First Blockage (g _t), s	0.0	0.0	0.0	0.0		0.0		0.0
Queue Service Time Before Blockage (g _{ts}), s								
Protected Right Saturation Flow (s _R), veh/h/ln								
Protected Right Effective Green Time (g _R), s								

Multimodal	EB		WB		NB		SB	
Pedestrian F_w / F_v	1.557	0.00	1.557	0.00	2.107	0.00	2.107	0.00
Pedestrian F_s / F_{delay}	0.000	0.074	0.000	0.073	0.000	0.144	0.000	0.144
Pedestrian M_{comer} / M_{cw}								
Bicycle c_b / d_b	1290.52	6.29	1298.65	6.15	300.00	36.13	300.00	36.13
Bicycle F_w / F_v	-3.64	0.31	-3.64	0.47	-3.64	0.23	-3.64	0.37

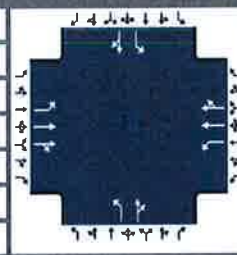
--- Messages ---

No errors or warnings exist.

--- Comments ---

HCS 2010 Signalized Intersection Input Data

General Information				Intersection Information			
Agency	Eriksson Engineering			Duration, h	0.25		
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other		
Jurisdiction	DuPage/Bartlett	Time Period	Friday Total Peak	PHF	0.97		
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:00		
Intersection	Prospect Avenue	File Name	Friday Total.xus				
Project Description	FridayTotal Volumes						



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	66	235	64	100	364	125	39	59	40	91	69	63

Signal Information				EB				WB				NB				SB															
Cycle, s	100.0	Reference Phase	2	Green	5.1	0.6	64.1	15.2	0.0	0.0	Green	5.1	0.6	64.1	15.2	0.0	0.0	Green	5.1	0.6	64.1	15.2	0.0	0.0	Green	5.1	0.6	64.1	15.2	0.0	0.0
Offset, s	0	Reference Point	End	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0
Uncoordinated	No	Simult. Gap E/W	On	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0
Force Mode	Fixed	Simult. Gap N/S	On																												

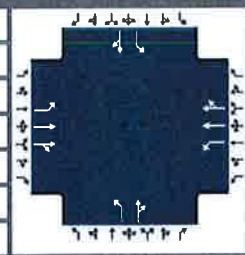
Traffic Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	66	235	64	100	364	125	39	59	40	91	69	63
Initial Queue (Q _b), veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Base Saturation Flow Rate (s ₀), veh/h	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Parking (N _m), man/h		None			None			None			None	
Heavy Vehicles (P _{HV}), %	3	3		3	3		3	3		3	3	
Ped / Bike / RTOR, /h	0	0	0	0	0	0	0	0	0	0	0	0
Buses (N _b), buses/h	0	0	0	0	0	0	0	0	0	0	0	0
Arrival Type (AT)	3	3	3	3	3	3	3	3	3	3	3	3
Upstream Filtering (f)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lane Width (W), ft	12.0	12.0		12.0	12.0		12.0	12.0		12.0	12.0	
Turn Bay Length, ft	135	0		135	0		100	0		125	0	
Grade (P _g), %		3			0			0			0	
Speed Limit, mi/h	35	35	35	35	35	35	30	30	30	25	25	25

Phase Information	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Maximum Green (G _{max}) or Phase Split, s	20.0	45.0	20.0	45.0		35.0		35.0
Yellow Change Interval (Y), s	3.0	4.0	3.0	4.0		4.0		4.0
Red Clearance Interval (R _c), s	0.0	2.0	0.0	2.0		2.0		2.0
Minimum Green (G _{min}), s	6	6	6	6	6	15	6	15
Start-Up Lost Time (l _f), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Extension of Effective Green (e), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Passage (PT), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Recall Mode	Off	Min	Off	Min	Off	Off	Off	Off
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes
Walk (Walk), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Clearance Time (PC), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Multimodal Information	EB			WB			NB			SB		
85th % Speed / Rest in Walk / Corner Radius	0	No	25	0	No	25	0	No	25	0	No	25
Walkway / Crosswalk Width / Length, ft	9.0	12	0	9.0	12	0	9.0	12	0	9.0	12	0
Street Width / Island / Curb	0	0	No	0	0	No	0	0	No	0	0	No
Width Outside / Bike Lane / Shoulder, ft	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0
Pedestrian Signal / Occupied Parking	No	0.50		No	0.50		No	0.50		No	0.50	

HCS 2010 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Friday Total Peak	PHF	0.97
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:00
Intersection	Prospect Avenue	File Name	Friday Total.xus		
Project Description	FridayTotal Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	66	235	64	100	364	125	39	59	40	91	69	63

Signal Information				Signal Phases									
Cycle, s	100.0	Reference Phase	2										
Offset, s	0	Reference Point	End	Green	5.1	0.6	64.1	15.2	0.0	0.0			
Uncoordinated	No	Simult. Gap E/W	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0			
Force Mode	Fixed	Simult. Gap N/S	On	Red	0.0	0.0	2.0	2.0	0.0	0.0			

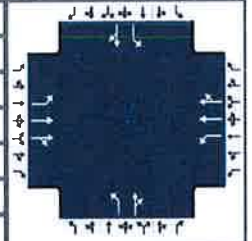
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6		8		4
Case Number	1.1	4.0	1.1	4.0		6.0		6.0
Phase Duration, s	8.1	70.1	8.7	70.7		21.2		21.2
Change Period, (Y+R _c), s	3.0	6.0	3.0	6.0		6.0		6.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0		3.4		3.4
Queue Clearance Time (g _s), s	3.3		3.9			12.5		14.5
Green Extension Time (g _e), s	0.1	0.0	0.2	0.0		0.7		0.7
Phase Call Probability	0.85		0.94			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (v), veh/h	68	157	151	103	261	243	40	102		94	136	
Adjusted Saturation Flow Rate (s), veh/h/ln	1730	1817	1684	1757	1845	1684	1236	1720		1275	1699	
Queue Service Time (g _s), s	1.3	3.4	3.5	1.9	5.8	6.0	3.1	5.3		7.2	7.4	
Cycle Queue Clearance Time (g _c), s	1.3	3.4	3.5	1.9	5.8	6.0	10.5	5.3		12.5	7.4	
Green Ratio (g/C)	0.69	0.64	0.64	0.70	0.65	0.65	0.15	0.15		0.15	0.15	
Capacity (c), veh/h	653	1165	1080	812	1193	1089	169	262		198	259	
Volume-to-Capacity Ratio (X)	0.104	0.135	0.140	0.127	0.219	0.223	0.238	0.389		0.474	0.526	
Back of Queue (Q), ft/ln (95 th percentile)	17.8	58	56.1	26.7	100.3	94.4	44.1	104.4		106.1	144.4	
Back of Queue (Q), veh/ln (95 th percentile)	0.7	2.3	2.2	1.0	3.9	3.7	1.7	4.1		4.1	5.6	
Queue Storage Ratio (RQ) (95 th percentile)	0.13	0.00	0.00	0.20	0.00	0.00	0.44	0.00		0.85	0.00	
Uniform Delay (d ₁), s/veh	5.2	7.1	7.1	4.9	7.3	7.3	43.9	38.2		43.9	39.0	
Incremental Delay (d ₂), s/veh	0.0	0.2	0.3	0.0	0.4	0.5	0.3	0.4		0.7	0.6	
Initial Queue Delay (d ₃), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (d), s/veh	5.3	7.3	7.3	5.0	7.7	7.8	44.2	38.5		44.5	39.7	
Level of Service (LOS)	A	A	A	A	A	A	D	D		D	D	
Approach Delay, s/veh / LOS	6.9		A	7.3		A	40.1		D	41.6		D
Intersection Delay, s/veh / LOS	16.5						B					

Multimodal Results	EB			WB			NB			SB		
Pedestrian LOS Score / LOS	2.2		B	2.2		B	2.9		C	2.9		C
Bicycle LOS Score / LOS	0.8		A	1.0		A	0.7		A	0.9		A

HCS 2010 Signalized Intersection Intermediate Values

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	4/7/2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Friday Total Peak	PHF	0.97
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:00
Intersection	Prospect Avenue	File Name	Friday Total.xus		
Project Description	FridayTotal Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	66	235	64	100	364	125	39	59	40	91	69	63

Signal Information												
Cycle, s	100.0	Reference Phase	2									
Offset, s	0	Reference Point	End									
Uncoordinated	No	Simult. Gap E/W	On	Green	5.1	0.6	64.1	15.2	0.0	0.0		
Force Mode	Fixed	Simult. Gap N/S	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0		
				Red	0.0	0.0	2.0	2.0	0.0	0.0		

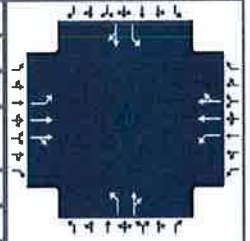
Saturation Flow / Delay	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Lane Width Adjustment Factor (f_w)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Heavy Vehicle Adjustment Factor (f_{HV})	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
Approach Grade Adjustment Factor (f_g)	0.985	0.985	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Parking Activity Adjustment Factor (f_p)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Bus Blockage Adjustment Factor (f_{bb})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Area Type Adjustment Factor (f_a)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Lane Utilization Adjustment Factor (f_{LU})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Left-Turn Adjustment Factor (f_{LT})	0.952	0.000		0.952	0.000			0.000			0.000	
Right-Turn Adjustment Factor (f_{RT})		0.927			0.913			0.932			0.921	
Left-Turn Pedestrian Adjustment Factor (f_{Lpb})	1.000			1.000			1.000			1.000		
Right-Turn Ped-Bike Adjustment Factor (f_{Rpb})			1.000			1.000			1.000			1.000
Movement Saturation Flow Rate (s), veh/h	1730	2765		1757	2636			1025			888	
Proportion of Vehicles Arriving on Green (P)	0.05	0.64	0.64	0.06	0.65	0.65	0.15	0.15	0.15	0.15	0.15	0.15
Incremental Delay Factor (k)	0.04	0.50	0.50	0.04	0.50	0.50	0.04	0.04		0.04	0.04	

Signal Timing / Movement Groups	EBL	EBT/R	WBL	WBT/R	NBL	NBT/R	SBL	SBT/R
Lost Time (t _L)	3.0	6.0	3.0	6.0		6.0		6.0
Green Ratio (g/C)	0.69	0.64	0.70	0.65		0.15		0.15
Permitted Saturation Flow Rate (s ₀), veh/h/ln	869	0	1056	0		1236		1275
Shared Saturation Flow Rate (s _{sh}), veh/h/ln								
Permitted Effective Green Time (g ₀), s	64.1	0.0	64.1	0.0		15.2		15.2
Permitted Service Time (g _u), s	56.7	0.0	60.6	0.0		7.8		9.9
Permitted Queue Service Time (g _{os}), s	0.6		0.4			3.1		7.2
Time to First Blockage (g _t), s	0.0	0.0	0.0	0.0		0.0		0.0
Queue Service Time Before Blockage (g _{ts}), s								
Protected Right Saturation Flow (s _R), veh/h/ln								
Protected Right Effective Green Time (g _R), s								

Multimodal	EB		WB		NB		SB	
Pedestrian F_w / F_v	1.557	0.00	1.557	0.00	2.107	0.00	2.107	0.00
Pedestrian F_s / F_{delay}	0.000	0.075	0.000	0.073	0.000	0.144	0.000	0.144
Pedestrian M_{comer} / M_{cw}								
Bicycle C_b / d_b	1281.96	6.44	1293.24	6.24	304.88	35.92	304.88	35.92
Bicycle F_w / F_v	-3.64	0.31	-3.64	0.50	-3.64	0.23	-3.64	0.38

HCS 2010 Signalized Intersection Input Data

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Existing Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Existing Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	26	141	34	60	165	63	31	40	66	62	71	20

Signal Information												
Cycle, s	100.0	Reference Phase	2									
Offset, s	0	Reference Point	End									
Uncoordinated	No	Simult. Gap E/W	On									
Force Mode	Fixed	Simult. Gap N/S	On									
				Green	3.2	1.8	65.1	15.0	0.0	0.0		
				Yellow	3.0	0.0	4.0	4.0	0.0	0.0		
				Red	0.0	0.0	2.0	2.0	0.0	0.0		

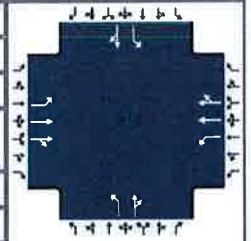
Traffic Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Approach Movement												
Demand (v), veh/h	26	141	34	60	165	63	31	40	66	62	71	20
Initial Queue (Q _b), veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Base Saturation Flow Rate (s ₀), veh/h	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Parking (N _m), man/h	None			None			None			None		
Heavy Vehicles (P _{HV}), %	3	3		3	3		3	3		3	3	
Ped / Bike / RTOR, /h	0	0	0	0	0	0	0	0	0	0	0	0
Buses (N _b), buses/h	0	0	0	0	0	0	0	0	0	0	0	0
Arrival Type (AT)	3	3	3	3	3	3	3	3	3	3	3	3
Upstream Filtering (f)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lane Width (W), ft	12.0	12.0		12.0	12.0		12.0	12.0		12.0	12.0	
Turn Bay Length, ft	135	0		135	0		100	0		125	0	
Grade (Pg), %		3			0			0			0	
Speed Limit, mi/h	35	35	35	35	35	35	30	30	30	25	25	25

Phase Information	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Maximum Green (G _{max}) or Phase Split, s	20.0	45.0	20.0	45.0		35.0		35.0
Yellow Change Interval (Y), s	3.0	4.0	3.0	4.0		4.0		4.0
Red Clearance Interval (R _c), s	0.0	2.0	0.0	2.0		2.0		2.0
Minimum Green (G _{min}), s	6	6	6	6	6	15	6	15
Start-Up Lost Time (l _t), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Extension of Effective Green (e), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Passage (PT), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Recall Mode	Off	Min	Off	Min	Off	Off	Off	Off
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes
Walk (Walk), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Clearance Time (PC), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Multimodal Information	EB			WB			NB			SB		
85th % Speed / Rest in Walk / Corner Radius	0	No	25	0	No	25	0	No	25	0	No	25
Walkway / Crosswalk Width / Length, ft	9.0	12	0	9.0	12	0	9.0	12	0	9.0	12	0
Street Width / Island / Curb	0	0	No	0	0	No	0	0	No	0	0	No
Width Outside / Bike Lane / Shoulder, ft	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0
Pedestrian Signal / Occupied Parking	No		0.50	No		0.50	No		0.50	No		0.50

HCS 2010 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Existing Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Existing Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	26	141	34	60	165	63	31	40	66	62	71	20

Signal Information														
Cycle, s	100.0	Reference Phase	2											
Offset, s	0	Reference Point	End											
Uncoordinated	No	Simult. Gap E/W	On											
Force Mode	Fixed	Simult. Gap N/S	On											
				Green	3.2	1.8	65.1	15.0	0.0	0.0				
				Yellow	3.0	0.0	4.0	4.0	0.0	0.0				
				Red	0.0	0.0	2.0	2.0	0.0	0.0				

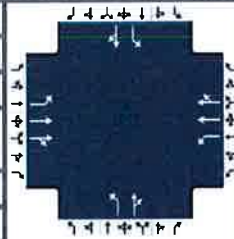
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6		8		4
Case Number	1.1	4.0	1.1	4.0		6.0		6.0
Phase Duration, s	6.2	71.1	7.9	72.8		21.0		21.0
Change Period, (Y+R c), s	3.0	6.0	3.0	6.0		6.0		6.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0		3.3		3.3
Queue Clearance Time (g s), s	2.5		3.1			9.1		13.0
Green Extension Time (g e), s	0.0	0.0	0.1	0.0		0.6		0.6
Phase Call Probability	0.53		0.82			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (v), veh/h	27	92	90	63	121	116	32	110		65	95	
Adjusted Saturation Flow Rate (s), veh/h/ln	1730	1817	1697	1757	1845	1674	1283	1659		1265	1774	
Queue Service Time (g s), s	0.5	1.9	2.0	1.1	2.3	2.5	2.3	6.1		4.9	4.8	
Cycle Queue Clearance Time (g c), s	0.5	1.9	2.0	1.1	2.3	2.5	7.1	6.1		11.0	4.8	
Green Ratio (g/C)	0.68	0.65	0.65	0.71	0.67	0.67	0.15	0.15		0.15	0.15	
Capacity (c), veh/h	819	1182	1104	907	1233	1119	203	249		185	266	
Volume-to-Capacity Ratio (X)	0.033	0.078	0.082	0.069	0.098	0.104	0.159	0.444		0.349	0.356	
Back of Queue (Q), ft/ln (95 th percentile)	7.3	31.5	31	14.9	39	37.8	34	114.5		71.9	97.7	
Back of Queue (Q), veh/ln (95 th percentile)	0.3	1.2	1.2	0.6	1.5	1.5	1.3	4.5		2.8	3.8	
Queue Storage Ratio (RQ) (95 th percentile)	0.05	0.00	0.00	0.11	0.00	0.00	0.34	0.00		0.58	0.00	
Uniform Delay (d 1), s/veh	5.2	6.4	6.4	4.5	5.9	5.9	41.4	38.7		43.7	38.2	
Incremental Delay (d 2), s/veh	0.0	0.1	0.1	0.0	0.2	0.2	0.1	0.5		0.4	0.3	
Initial Queue Delay (d 3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (d), s/veh	5.2	6.6	6.6	4.5	6.0	6.1	41.5	39.2		44.1	38.5	
Level of Service (LOS)	A	A	A	A	A	A	D	D		D	D	
Approach Delay, s/veh / LOS	6.4		A	5.7		A	39.7		D	40.8		D
Intersection Delay, s/veh / LOS	18.8						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.2	B	2.2	B	2.9	C	2.9	C
Bicycle LOS Score / LOS	0.7	A	0.7	A	0.7	A	0.8	A

HCS 2010 Signalized Intersection Intermediate Values

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Existing Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Existing Volumes				



Demand Information	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	26	141	34	60	165	63	31	40	66	62	71	20

Signal Information				EB				WB				NB				SB															
Cycle, s	100.0	Reference Phase	2	Green	3.2	1.8	65.1	15.0	0.0	0.0	Green	3.2	1.8	65.1	15.0	0.0	0.0	Green	3.2	1.8	65.1	15.0	0.0	0.0	Green	3.2	1.8	65.1	15.0	0.0	0.0
Offset, s	0	Reference Point	End	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	Yellow	3.0	0.0	4.0	4.0	0.0	0.0
Uncoordinated	No	Simult. Gap E/W	On	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0	Red	0.0	0.0	2.0	2.0	0.0	0.0
Force Mode	Fixed	Simult. Gap N/S	On																												

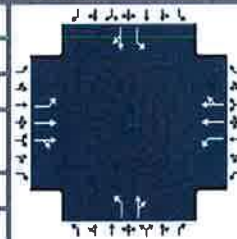
Saturation Flow / Delay	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Lane Width Adjustment Factor (f _w)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Heavy Vehicle Adjustment Factor (f _{HV})	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
Approach Grade Adjustment Factor (f _g)	0.985	0.985	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Parking Activity Adjustment Factor (f _p)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Bus Blockage Adjustment Factor (f _{bb})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Area Type Adjustment Factor (f _a)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Lane Utilization Adjustment Factor (f _{LU})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Left-Turn Adjustment Factor (f _{LT})	0.952	0.000		0.952	0.000			0.000			0.000	
Right-Turn Adjustment Factor (f _{RT})		0.934			0.908			0.899			0.962	
Left-Turn Pedestrian Adjustment Factor (f _{Lpb})	1.000			1.000			1.000			1.000		
Right-Turn Ped-Bike Adjustment Factor (f _{Rpb})			1.000			1.000			1.000			1.000
Movement Saturation Flow Rate (s), veh/h	1730	2847		1757	2574			626			1384	
Proportion of Vehicles Arriving on Green (P)	0.03	0.65	0.65	0.05	0.67	0.67	0.15	0.15	0.15	0.15	0.15	0.15
Incremental Delay Factor (k)	0.04	0.50	0.50	0.04	0.50	0.50	0.04	0.04		0.04	0.04	

Signal Timing / Movement Groups	EBL	EBT/R	WBL	WBT/R	NBL	NBT/R	SBL	SBT/R
Lost Time (t _L)	3.0	6.0	3.0	6.0		6.0		6.0
Green Ratio (g/C)	0.68	0.65	0.71	0.67		0.15		0.15
Permitted Saturation Flow Rate (s _D), veh/h/ln	1110	0	1185	0		1283		1265
Shared Saturation Flow Rate (s _{sh}), veh/h/ln								
Permitted Effective Green Time (g _o), s	65.1	0.0	65.8	0.0		15.0		15.0
Permitted Service Time (g _v), s	62.3	0.0	63.1	0.0		10.2		8.9
Permitted Queue Service Time (g _{qs}), s	0.1		0.2			2.3		4.9
Time to First Blockage (g _t), s	0.0	0.0	0.0	0.0		0.0		0.0
Queue Service Time Before Blockage (g _{ts}), s								
Protected Right Saturation Flow (s _R), veh/h/ln								
Protected Right Effective Green Time (g _R), s								

Multimodal	EB		WB		NB		SB	
Pedestrian F _w / F _v	1.557	0.00	1.557	0.00	2.107	0.00	2.107	0.00
Pedestrian F _s / F _{delay}	0.000	0.073	0.000	0.068	0.000	0.144	0.000	0.144
Pedestrian M _{comer} / M _{cw}								
Bicycle c _b / d _b	1301.20	6.10	1336.60	5.50	299.94	36.13	299.94	36.13
Bicycle F _w / F _v	-3.64	0.17	-3.64	0.25	-3.64	0.24	-3.64	0.26

HCS 2010 Signalized Intersection Input Data

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Total Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1 > 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Total Volumes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	27	143	34	75	185	63	31	40	69	62	75	23

Signal Information				EB				WB				NB				SB			
Cycle, s	100.0	Reference Phase	2																
Offset, s	0	Reference Point	End	Green	3.3	2.1	64.7	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Uncoordinated	No	Simult. Gap E/W	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Force Mode	Fixed	Simult. Gap N/S	On	Red	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

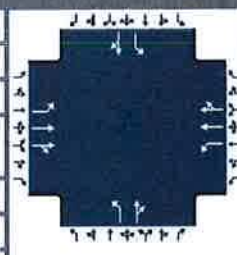
Traffic Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	27	143	34	75	185	63	31	40	69	62	75	23
Initial Queue (Q _b), veh/h	0	0	0	0	0	0	0	0	0	0	0	0
Base Saturation Flow Rate (s ₀), veh/h	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Parking (N _m), man/h	None			None			None			None		
Heavy Vehicles (P _{HV}), %	3	3		3	3		3	3		3	3	
Ped / Bike / RTOR, /h	0	0	0	0	0	0	0	0	0	0	0	0
Buses (N _b), buses/h	0	0	0	0	0	0	0	0	0	0	0	0
Arrival Type (AT)	3	3	3	3	3	3	3	3	3	3	3	3
Upstream Filtering (I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lane Width (W), ft	12.0	12.0		12.0	12.0		12.0	12.0		12.0	12.0	
Turn Bay Length, ft	135	0		135	0		100	0		125	0	
Grade (Pg), %	3			0			0			0		
Speed Limit, mi/h	35	35	35	35	35	35	30	30	30	25	25	25

Phase Information	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Maximum Green (G _{max}) or Phase Split, s	20.0	45.0	20.0	45.0		35.0		35.0
Yellow Change Interval (Y), s	3.0	4.0	3.0	4.0		4.0		4.0
Red Clearance Interval (R _c), s	0.0	2.0	0.0	2.0		2.0		2.0
Minimum Green (G _{min}), s	6	6	6	6	6	15	6	15
Start-Up Lost Time (I _f), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Extension of Effective Green (e), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Passage (PT), s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Recall Mode	Off	Min	Off	Min	Off	Off	Off	Off
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes
Walk (Walk), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Clearance Time (PC), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Multimodal Information	EB			WB			NB			SB		
85th % Speed / Rest in Walk / Corner Radius	0	No	25	0	No	25	0	No	25	0	No	25
Walkway / Crosswalk Width / Length, ft	9.0	12	0	9.0	12	0	9.0	12	0	9.0	12	0
Street Width / Island / Curb	0	0	No	0	0	No	0	0	No	0	0	No
Width Outside / Bike Lane / Shoulder, ft	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0	12	5.0	2.0
Pedestrian Signal / Occupied Parking	No		0.50	No		0.50	No		0.50	No		0.50

HCS 2010 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Total Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1> 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Total Volumes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	27	143	34	75	185	63	31	40	69	62	75	23

Signal Information				Signal Phases							
Cycle, s	100.0	Reference Phase	2								
Offset, s	0	Reference Point	End	Green	3.3	2.1	64.7	15.0	0.0	0.0	
Uncoordinated	No	Simult. Gap EW	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0	
Force Mode	Fixed	Simult. Gap N/S	On	Red	0.0	0.0	2.0	2.0	0.0	0.0	

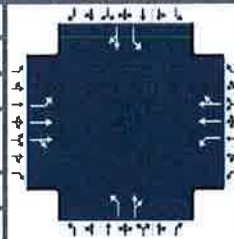
Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	5	2	1	6		8		4
Case Number	1.1	4.0	1.1	4.0		6.0		6.0
Phase Duration, s	6.3	70.7	8.3	72.7		21.0		21.0
Change Period, (Y+R _c), s	3.0	6.0	3.0	6.0		6.0		6.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0		3.3		3.3
Queue Clearance Time (g _s), s	2.5		3.3			9.5		13.2
Green Extension Time (g _e), s	0.0	0.0	0.1	0.0		0.6		0.6
Phase Call Probability	0.54		0.89			1.00		1.00
Max Out Probability	0.00		0.00			0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	5	2	12	1	6	16	3	8	18	7	4	14
Adjusted Flow Rate (v), veh/h	28	93	91	78	132	126	32	114		65	102	
Adjusted Saturation Flow Rate (s), veh/h/ln	1730	1817	1698	1757	1845	1687	1275	1656		1262	1770	
Queue Service Time (g _s), s	0.5	1.9	2.0	1.3	2.6	2.7	2.3	6.3		4.9	5.2	
Cycle Queue Clearance Time (g _c), s	0.5	1.9	2.0	1.3	2.6	2.7	7.5	6.3		11.2	5.2	
Green Ratio (g/C)	0.68	0.65	0.65	0.71	0.67	0.67	0.15	0.15		0.15	0.15	
Capacity (c), veh/h	804	1175	1098	907	1231	1126	197	248		182	265	
Volume-to-Capacity Ratio (X)	0.035	0.079	0.083	0.086	0.107	0.112	0.164	0.457		0.354	0.385	
Back of Queue (Q), ft/ln (95 th percentile)	7.7	32.4	31.8	18.6	42.9	41.4	34.2	118		72.2	105.8	
Back of Queue (Q), veh/ln (95 th percentile)	0.3	1.3	1.2	0.7	1.7	1.6	1.3	4.6		2.8	4.1	
Queue Storage Ratio (RQ) (95 th percentile)	0.06	0.00	0.00	0.14	0.00	0.00	0.34	0.00		0.58	0.00	
Uniform Delay (d ₁), s/veh	5.3	6.6	6.6	4.4	6.0	6.0	41.7	38.8		43.9	38.3	
Incremental Delay (d ₂), s/veh	0.0	0.1	0.1	0.0	0.2	0.2	0.1	0.5		0.4	0.3	
Initial Queue Delay (d ₃), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Control Delay (d), s/veh	5.3	6.7	6.7	4.4	6.1	6.2	41.9	39.3		44.3	38.7	
Level of Service (LOS)	A	A	A	A	A	A	D	D		D	D	
Approach Delay, s/veh / LOS	6.5		A	5.8		A	39.9		D	40.9		D
Intersection Delay, s/veh / LOS	18.5						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.2	B	2.2	B	2.9	C	2.9	C
Bicycle LOS Score / LOS	0.7	A	0.8	A	0.7	A	0.8	A

HCS 2010 Signalized Intersection Intermediate Values

General Information				Intersection Information	
Agency	Eriksson Engineering			Duration, h	0.25
Analyst	SBC	Analysis Date	Apr 12, 2016	Area Type	Other
Jurisdiction	DuPage/Bartlett	Time Period	Saturday Total Peak	PHF	0.96
Urban Street	Devon Avenue	Analysis Year	2016	Analysis Period	1 > 17:30
Intersection	Prospect Avenue	File Name	Friday Existing.xus		
Project Description	Saturday Total Volumes				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	27	143	34	75	185	63	31	40	69	62	75	23

Signal Information														
Cycle, s	100.0	Reference Phase	2											
Offset, s	0	Reference Point	End											
Uncoordinated	No	Simult. Gap E/W	On	Green	3.3	2.1	64.7	15.0	0.0	0.0				
Force Mode	Fixed	Simult. Gap N/S	On	Yellow	3.0	0.0	4.0	4.0	0.0	0.0				
				Red	0.0	0.0	2.0	2.0	0.0	0.0				

Saturation Flow / Delay	EB			WB			NB			SB		
	L	T	R	L	T	R	L	T	R	L	T	R
Lane Width Adjustment Factor (f_w)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Heavy Vehicle Adjustment Factor (f_{HV})	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971	0.971
Approach Grade Adjustment Factor (f_g)	0.985	0.985	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Parking Activity Adjustment Factor (f_p)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Bus Blockage Adjustment Factor (f_{bb})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Area Type Adjustment Factor (f_a)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Lane Utilization Adjustment Factor (f_{LU})	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Left-Turn Adjustment Factor (f_{LT})	0.952	0.000		0.952	0.000			0.000			0.000	
Right-Turn Adjustment Factor (f_{RT})		0.935			0.915			0.898			0.959	
Left-Turn Pedestrian Adjustment Factor (f_{LPB})	1.000			1.000			1.000			1.000		
Right-Turn Ped-Bike Adjustment Factor (f_{RPB})			1.000			1.000			1.000			1.000
Movement Saturation Flow Rate (s), veh/h	1730	2855		1757	2656			608			1355	
Proportion of Vehicles Arriving on Green (P)	0.03	0.65	0.65	0.05	0.67	0.67	0.15	0.15	0.15	0.15	0.15	0.15
Incremental Delay Factor (k)	0.04	0.50	0.50	0.04	0.50	0.50	0.04	0.04		0.04	0.04	

Signal Timing / Movement Groups	EBL	EBT/R	WBL	WBT/R	NBL	NBT/R	SBL	SBT/R
Lost Time (t _L)	3.0	6.0	3.0	6.0		6.0		6.0
Green Ratio (g/C)	0.68	0.65	0.71	0.67		0.15		0.15
Permitted Saturation Flow Rate (s _d), veh/h/ln	1089	0	1183	0		1275		1262
Shared Saturation Flow Rate (s _{sh}), veh/h/ln								
Permitted Effective Green Time (g _d), s	64.7	0.0	65.7	0.0		15.0		15.0
Permitted Service Time (g _v), s	62.0	0.0	62.7	0.0		9.8		8.7
Permitted Queue Service Time (g _{ps}), s	0.1		0.2			2.3		4.9
Time to First Blockage (g _t), s	0.0	0.0	0.0	0.0		0.0		0.0
Queue Service Time Before Blockage (g _{fs}), s								
Protected Right Saturation Flow (s _R), veh/h/ln								
Protected Right Effective Green Time (g _R), s								

Multimodal	EB		WB		NB		SB	
Pedestrian F_w / F_v	1.557	0.00	1.557	0.00	2.107	0.00	2.107	0.00
Pedestrian F_s / F_{delay}	0.000	0.073	0.000	0.069	0.000	0.144	0.000	0.144
Pedestrian M_{comer} / M_{cw}								
Bicycle c_b / d_b	1293.73	6.24	1334.97	5.53	299.96	36.13	299.96	36.13
Bicycle F_w / F_v	-3.64	0.18	-3.64	0.28	-3.64	0.24	-3.64	0.28

--- Messages ---

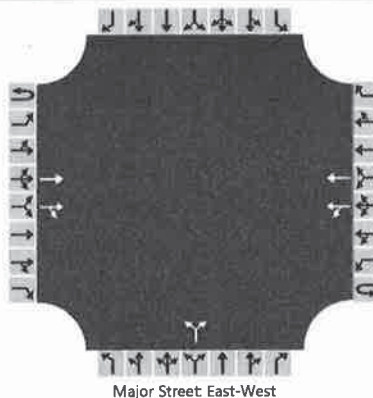
No errors or warnings exist.

--- Comments ---

HCS 2010 Two-Way Stop Control Summary Report

General Information				Site Information			
Analyst	SBC	Intersection	Devon Ave/Site Drive				
Agency/Co.	Eriksson Engineering	Jurisdiction	DuPage County				
Date Performed	4/12/2016	East/West Street	Devon Avenue				
Analysis Year	2016	North/South Street	Ashton Gardens Drive				
Time Analyzed	Friday Total Peak	Peak Hour Factor	0.97				
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25				
Project Description	Ashton Gardens						

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Movement	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Priority																
Number of Lanes	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0
Configuration			T	TR		LT	T				LR					
Volume (veh/h)			362	21		23	443			3		3				
Percent Heavy Vehicles						3				3		3				
Proportion Time Blocked																
Right Turn Channelized	No				No				No				No			
Median Type	Undivided															
Median Storage																

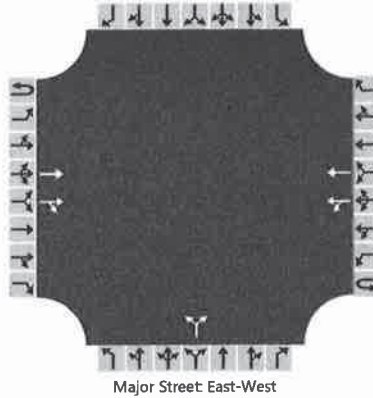
Delay, Queue Length, and Level of Service

Flow Rate (veh/h)					253						6					
Capacity					1153						513					
v/c Ratio					0.22						0.01					
95% Queue Length					0.1						0.0					
Control Delay (s/veh)					8.2						12.1					
Level of Service (LOS)					A						B					
Approach Delay (s/veh)					0.5				12.1							
Approach LOS									B							

HCS 2010 Two-Way Stop Control Summary Report

General Information		Site Information	
Analyst	SBC	Intersection	Devon Ave/Site Drive
Agency/Co.	Eriksson Engineering	Jurisdiction	DuPage County
Date Performed	4/12/2016	East/West Street	Devon Avenue
Analysis Year	2016	North/South Street	Ashton Gardens Drive
Time Analyzed	Saturday Total Peak	Peak Hour Factor	0.96
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	Ashton Gardens		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Movement	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Priority																
Number of Lanes	0	0	2	0	0	0	2	0		0	0	0		0	0	0
Configuration			T	TR		LT	T				LR					
Volume (veh/h)			201	21		23	216			3		3				
Percent Heavy Vehicles						3				3		3				
Proportion Time Blocked																
Right Turn Channelized	No				No				No				No			
Median Type	Undivided															
Median Storage																

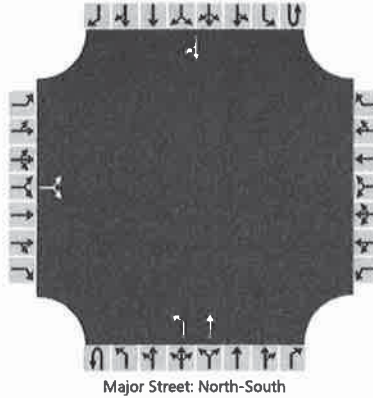
Delay, Queue Length, and Level of Service

Flow Rate (veh/h)						137						6				
Capacity						1327						700				
v/c Ratio						0.10						0.01				
95% Queue Length						0.1						0.0				
Control Delay (s/veh)						7.8						10.2				
Level of Service (LOS)						A						B				
Approach Delay (s/veh)					0.8				10.2							
Approach LOS									B							

HCS 2010 Two-Way Stop Control Summary Report

General Information		Site Information	
Analyst	SBC	Intersection	Prospect Ave/Site Drive
Agency/Co.	Eriksson Engineering	Jurisdiction	Village of Bartlett
Date Performed	4/12/2016	East/West Street	Ashton Gardens Drive
Analysis Year	2016	North/South Street	Prospect Avenue
Time Analyzed	Friday Total Peak	Peak Hour Factor	0.97
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25
Project Description	Ashton Gardens		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Movement									1U	1	2	3	4U	4	5	6
Priority		10	11	12		7	8	9								
Number of Lanes		0	0	0		0	0	0	0	1	1	0	0	0	1	0
Configuration			LR							L	T					TR
Volume (veh/h)		3		1						7	135				214	19
Percent Heavy Vehicles		3		3						3						
Proportion Time Blocked																
Right Turn Channelized	No				No				No				No			
Median Type	Left Only															
Median Storage	1															

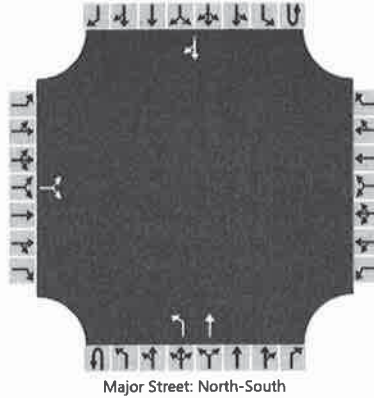
Delay, Queue Length, and Level of Service

Flow Rate (veh/h)			4							7						
Capacity			682							1318						
v/c Ratio			0.01							0.01						
95% Queue Length			0.0							0.0						
Control Delay (s/veh)			10.3							7.7						
Level of Service (LOS)			B							A						
Approach Delay (s/veh)	10.3								0.4							
Approach LOS	B															

HCS 2010 Two-Way Stop Control Summary Report

General Information		Site Information	
Analyst	SBC	Intersection	Prospect Ave/Site Drive
Agency/Co.	Eriksson Engineering	Jurisdiction	Village of Bartlett
Date Performed	4/12/2016	East/West Street	Ashton Gardens Drive
Analysis Year	2016	North/South Street	Prospect Avenue
Time Analyzed	Saturday Total Peak	Peak Hour Factor	0.97
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25
Project Description	Ashton Gardens		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound				
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R	
Movement																	
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6	
Number of Lanes		0	0	0		0	0	0	0	1	1	0	0	0	1	0	
Configuration			LR							L	T						TR
Volume (veh/h)		3		1						7	137					165	19
Percent Heavy Vehicles		3		3						3							
Proportion Time Blocked																	
Right Turn Channelized	No				No				No				No				
Median Type	Left Only																
Median Storage	1																

Delay, Queue Length, and Level of Service

Flow Rate (veh/h)			4							7							
Capacity			715							1376							
v/c Ratio			0.01							0.01							
95% Queue Length			0.0							0.0							
Control Delay (s/veh)			10.1							7.6							
Level of Service (LOS)			B							A							
Approach Delay (s/veh)	10.1								0.4								
Approach LOS	B																

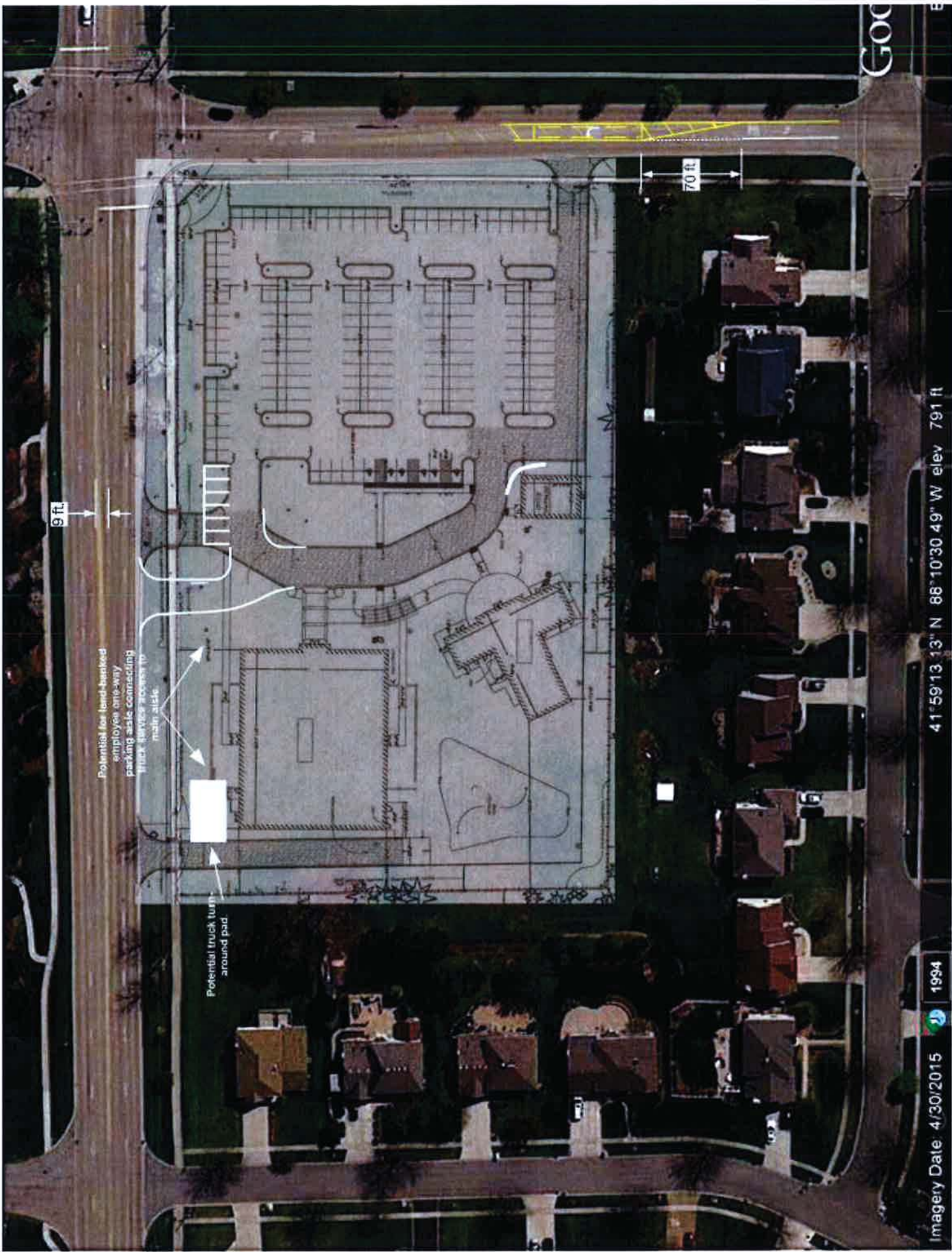


FIGURE 1. Ashton Gardens – Site Plan Considerations

JUN 07 2016

VILLAGE OF
BARTLETT



MEMO

To: Roberta Grill, Village of Bartlett

From: Brent Coulter, PE, PTOE

Date: 6/7/2016

Re: **Traffic Engineering Review of the Proposed Ashton Gardens Wedding Chapel and Banquet Facility (Devon Ave. at Prospect Ave. in Bartlett, IL).**

Per your request I have prepared this review of traffic and parking for the proposed Ashton Gardens based on the Site Plan, Traffic Impact Study prepared by Eriksson Engineering Associates, Ltd., "Autoturn" exhibits and other reports and plans provided by the Village for the proposed development. The following specific areas were addressed:

- Traffic generation and assignment and subsequent capacity and impact analysis at site driveways and the off-site intersection of Devon and Prospect.
- Overall site accessibility, driveway sight lines and access routing.
- Internal circulation including emergency vehicle accessibility.
- Proposed site parking supply and demand.

I. Site Accessibility and Offsite Intersection Traffic (Capacity) Impact

The site Traffic Impact Study analyzes proposed site driveway access on Devon Avenue and on Prospect Avenue, as well as the adjacent off-site signalized intersection of Devon and Prospect with and without the proposed wedding/reception use. The traffic study assumed, as a worst-case scenario, that the proposed use would coincide with the peak hour of background traffic counted on a Friday afternoon (as discussed later in the parking review, the projected site trip estimates are also high because they assume the wedding and reception facilities as separate trip generating entities when in fact many wedding guests will stay on site and not generate a "new" second inbound trip for the reception).

a. Site and Off-Site Capacity (Level of Service)

Both the 4-lane Devon Ave. (+/- 4,500 vpd west of Prospect based on factoring up from peak hour counts) and the 3-lane Prospect Ave. (2,400 vpd south of Devon) are relatively low-volume streets for their cross-sections. The applicant's traffic study found that the proposed use would not measurably change the existing level of service at the Devon/Prospect intersection (operating at a good overall Level of Service B) and that each unsignalized site driveway access would operate at a very good LOS A/B (with no left-turn lanes on either Devon or Prospect serving site access points).

This analysis Site traffic was assigned primarily to Devon Avenue (80%). Only 10% of site traffic was assigned to/from the north on Prospect which connects with Lake Street (US 20) a major east-west arterial. I think this estimate to/from the north could be significantly higher but do not believe it will appreciably impact the findings of the capacity analysis.

b. Overall Site Accessibility (Wayfinding)

Trips to and from the east via US 20 (Lake Street) encounter a rather circuitous routing via Ontarioville Road at US 20, and then a jog at Newport Blvd. that could be confusing to those unfamiliar with the area. Trips to/from the NW could come down Oak Avenue and then are faced with a variety of street routings (North Ave. to Prospect, or Railroad Ave. to S, Main to Devon, or Railroad Avenue to Prospect) to access the site, while trips from the west on West Bartlett Road could continue onto Railroad Ave. to Prospect or down S. Bartlett Road to Devon Avenue. It would be desirable for Ashton Gardens management to consult with Village staff on preferred access routings displayed on their web site.

II. Driveway Access Design/Internal Circulation

a. Turn Lane Warrants

The TIS concludes that no left-turn lanes are warranted on Devon Avenue or Prospect Avenue but no supporting warrant analysis was provided. A quick check of IDOT BDE Manual Figures 36-3.A and 36-3.B indicate that right-turn lanes are not warranted on either Devon Avenue or Prospect Avenue. A left-turn lane is not warranted on Prospect Avenue based on a volume check (assuming a conservatively volume on Prospect at the site access drive) based on IDOT BDE Figure 36-3.G. *The combination of opposing EB peak hour volume on Devon and projected WB site access left turns on the Harmelink warrant charts for 4-lane arterials show the combination right at, or slightly below warranting left-turn storage (but as noted earlier site trips may be overestimated).*

b. Site Access Location/Design

As shown in Figure 1., the Devon Avenue access is located approximately 220 feet west of Prospect and falls opposite the striped taper median area for the EB left-turn lane on Devon at Prospect. At this point the EB tape width is approximately 9 feet and in such cases there may be a tendency for WB left-turns into the site to straddle this median area as they wait to make their turn. One consideration would be to relocate this access to the west as shown in Figure 1. This could also result in the addition of +/- 6 parking spaces (see parking review that follows). In any event, this part of Devon Avenue is under the jurisdiction of DuPage County and they would have final authority on access location. Relocation of the driveway to the west also improves exiting sight lines relative to vehicle queued on red indications on Devon at the Prospect Ave. signal.

The Prospect Avenue access shown on the Site Plan falls generally opposite a diagonally striped median and beginning of a SB left-turn lane taper serving Lido Terrace. Under the same rationale as discussed above, it may be advantageous to consider restriping this median area on Prospect to provide a legal left-turn storage area for inbound site left-turns while still maintaining the SB left-turn lane (with reduced taper length) for Lido Terrace as shown in Figure 1.

c. Internal Circulation and (Fire) Truck Access

A separate truck service berth and refuse truck access is provided by a separate truck-only access on the west side (rear) of the reception hall building. This would require service vehicles or fire trucks to back out onto Devon Ave., but maximizes green area on the site and separates trucks from guest traffic. A turn-around pad for smaller delivery trucks could be considered south of Devon on this service drive (see Figure 1.).

An aerial fire truck turning path exhibit was provided in support of the Site Plan and shows a vehicle just able to navigate the around the winding parking access aisle at the south end of the site near the office building. The Village should determine if this design vehicle adequately reflects wheelbase, length and turning radii of their own fire equipment. I would suggest consideration of modifying the curb line near the office building area if possible, as shown in Figure 1 (this may require some minor shifting of the office building further west).

III. Parking Supply

The applicant's traffic and parking study suggests that their parking analysis may be overstated (double-counted) since they treat the wedding chapel function and the reception hall as separate and distinct parking generators even though it appears that these two functions are generally codependent, with most guests attending the wedding also remaining parked and staying for the reception. I concur with the possibility that the applicant's report may have double-counted parking demand but only if a sufficient time-gap is scheduled between the end of the wedding service and the beginning of the reception to allow those wedding service attendees not staying to leave prior to reception guests arriving.

Based on the above, I have reflected in Table 1., below, the Village staff's calculation of required parking supply based only on the reception facility. These calculations appear to reflect a high occupancy of 3.3 person per vehicle (PPV) for social-recreational trips. I have added in two additional "demand" scenarios based on typical auto occupancies for social-recreation events of in the range of 2.5 to 3.0 persons per vehicle (PPV). The Demand Scenario 1 in Table 1 assumes an average occupancy of 2.5 (PPV) based on the 2.34 PPV from a 2009 study of auto occupancy study at various churches within the County, by DuPage County. Demand Scenario 2 assumes a higher occupancy of 3.0 PPV. In both scenarios, employee parking demand was based on an average suburban Chicago occupancy of 1.2 PPV. In my scenarios, projected parking demand was adjusted to a recommended parking supply by dividing demand by a design supply factor of ".85" to help assure that finding a space is convenient and does not require constant recirculation, and that also takes into account snow removal needs, etc.

The parking supply sensitivity analysis above shows a range of a parking shortfall of 25 spaces under Demand Scenario 1 to a surplus of 12 and 36 spaces for Demand Scenario 2 and the Village Ordinance respectively. In my opinion therefore, the possibility of a parking shortfall exists in cases where the reception hall is fully occupied and/or insufficient time gap is scheduled to allow wedding service only guests to exit the site before the arrival of post wedding reception guests. *To be fair, the applicant's report does state that Ashton Gardens reports a peak parking demand of 125 spaces at other of their facilities in the United States, however, no specific documentation of this was included in my review materials.*

As noted earlier an additional/ +/- 6 parking spaces if the main access drive were relocated further west and consideration of land-banked employee spaces (a one-way aisle to minimize depth) may be of interest on the north side of the building (see Figure 1.).

Scenario	Projected Demand (spaces)	Req'd Parking Supply (spaces)	Spaces Provided On Current Plan	Shortfall(-)/ Surplus(+)
Village Ordinance (3.3 persons/vehicle)		104 ¹	140	+36
Derived Demand Scenario 1 (2.5 persons/guest vehicle) (1.2 persons/employee veh.)	300/2.50 = 120 <u>30/1.2 = 29</u> Total = 149	149/.9 = 165 ²	140	-25
Derived Demand Scenario 2 (3.0 persons/guest vehicle) (1.2 persons/employee veh.)	300/3.00 = 90 <u>30/1.2 = 25</u> Total = 115	115/.9 = 128 ²	140	+12

¹ Calculated by Village staff based on Village Ord.
² Required parking supply assumes a 10% design surplus factor to support ease of space finding and user convenience.

Certain events with a higher number of children in attendance than a wedding (such as quinceaneras) or lower adult auto occupancies (i.e. after work office banquets where auto occupancies are more like the typical employee commute) may generate parking demand significantly higher than assumed by the Village ordinance or demand scenarios above.

The corner site is located at the intersection of two arterial streets with no on-street parking permitted and with no on-street parking capability on within reasonable walking distance. As a result careful attention must be paid to parking demand and on-site supply to insure that all parking can be accommodated without parking spilling over onto private parking lots or residential streets or where guest vehicles are forced to circulate continuously through the site (or worse, in and out of the site on adjacent streets) in their search for a parking space. Devon Avenue seems to be the type of 4-lane street that most guests would not associate with on-street parking, however, the three-lane Prospect Avenue has a local residential feel to it that may not convey “no parking” as strongly. No parking signs on Prospect should be installed if this were to become a problem.

Initial wedding events could be scheduled so that they fall below the maximum legal occupancy of the reception hall in order to verify parking demand. Subsequent events which may be anticipated to generate a higher level of parking demand than a traditional wedding could also have occupancy caps.

Opportunities for valet parking for larger events using remote lots under agreement with other commercial property owners appear to be limited but could be considered.

IV. Review Findings/Recommendations

1.a. Site and Off-Site Capacity (Level of Service)

Site driveway capacity (level of service) are projected to be good, and offsite operations at the signalized intersection of Devon and Prospect will not be adversely impacted by the proposed use.

1.b. Overall Site Accessibility (Wayfinding)

Access routing options from the west, northwest and east may be somewhat confusing to some guests. It would be desirable for Ashton Gardens management to consult with Village staff on preferred routings displayed on their web site.

2.a. Turn Lane Warrants

I would concur with the applicant's traffic report that left- and right-turn lanes do not appear to be warranted at site access drives on Devon and on Prospect.

2.b. Site Access Location/Design

Consider relocating the main access on Devon further west (Figure 1.) to move it away from the EB left-turn lane entry taper on Devon at Prospect (this could also create potential for added parking spaces internally). Consider restriping the median area north of Lido Terrace to maintain the existing SB left-turn lane but add legal median left-turn storage for the proposed site access (see Figure 1.).

c. Internal Circulation and (Fire) Truck Access

There is no internal connection for the rear (reception hall) loading berth. Service trucks will be forced to back out onto Devon. A truck turn-around pad could be considered near the northwest corner of the reception hall (Figure 1.).

Fire truck access through the main parking access aisle is tight. Verify that the design fire vehicle is compatible with the Village design fire truck and consider a slight modification to the curb line in the vicinity of the office building (see Figure 1.).

3. Parking

In my opinion, in the absence of strong internal scheduling controls, there may be some potential for event parking to exceed supply, especially when at maximum legal reception hall occupancy and for certain events with a higher number of children in attendance than a typical wedding (such as quinceanearas) or where lower adult auto occupancies could be expected (i.e. after work office banquets where auto occupancies are more like the typical employee commute). Since there is no overflow on-street parking available on adjacent and nearby appropriate (i.e. non-residential) public streets, certain management considerations should be considered if the development is approved:

- Initial wedding events could be scheduled so that they fall below the maximum legal occupancy of the reception hall in order to verify actual parking demand. Subsequent events which may be anticipated to generate a higher level of parking demand than a traditional wedding could also have temporary occupancy caps below the legal limit of the reception hall.
- A sufficient time-gap should be scheduled between the end of a wedding service and the beginning of the reception to allow those wedding service attendees not staying for the reception to leave the site prior to reception-only guests arriving.

- *Prospect Avenue has a local residential feel to it that may not convey "no on-street parking" to guests as strongly as Devon Avenue. No parking signs on Prospect should be installed if this were to become a problem.*

Relocation of the main Devon access drive to the west would create an additional +/- 6 guest parking spaces. Land banked employee parking (one-way aisle) could be considered on the north side of the reception hall connecting the service drive to the main Devon access drive (Figure 1.).

Roberta Grill

From: Jim Plonczynski
Sent: Monday, July 18, 2016 8:49 AM
To: Roberta Grill
Subject: FW: Ashton Gardens

RECEIVED
COMMUNITY DEVELOPMENT

JUL 18 2016

VILLAGE OF
BARTLETT

FYI

From: Lorna Giless
Sent: Monday, July 18, 2016 8:47 AM
To: Valerie Salmons <VLSalmons@vbartlett.org>; Jim Plonczynski <JPlonczynski@vbartlett.org>
Subject: FW: Ashton Gardens

The e-mail below was sent to the Mayor.

Lorna Giless
Village Clerk/Executive Secretary
Village of Bartlett
228 S. Main Street
Bartlett, IL 60103
Phone: (630) 540-5908
Fax: (630) 837-7168

From: MICHAEL TOVELLA [REDACTED]
Sent: Sunday, July 17, 2016 11:39 PM
To: Kevin Wallace <kwallace@vbartlett.org>
Subject: Ashton Gardens

Mr. Kevin Wallace,
The reason for this e-mail is to express my concern with a proposed development of land on the corner of Prospect and Devon. I live at 208 Lido Trail.
Last week some of the property owners from the surrounding neighborhood myself included meet with the Texas investor who is looking to develop the land.
I would safely say almost no one came away from the meeting with a good feeling.
Some of the concerns are as follows: The closing time of 12:30 AM, safety, cars parking in the subdivision and people walking to the facility, traffic congestion, negative impact on property values, alcohol consumption. The chapel will be three stories.
I would like to know if a special use permit is needed? Any impact studies been done? Does the village really need another banquet facility? Is this facility good for the community?
Thank you for your time,

Michael Tove11a
[REDACTED]

Roberta Grill

From: Jim Plonczynski
Sent: Monday, July 18, 2016 9:10 AM
To: Roberta Grill
Subject: FW: Ashton Gardens neighbor issues

RECEIVED
COMMUNITY DEVELOPMENT

JUL 18 2016

VILLAGE OF
BARTLETT

FYI

From: Lorna Giless
Sent: Monday, July 18, 2016 9:00 AM
To: Valerie Salmons <VLSalmons@vbartlett.org>; Jim Plonczynski <JPlonczynski@vbartlett.org>
Subject: FW: Ashton Gardens neighbor issues

Here's another one that was sent to the Mayor and Board.

Lorna Giless
Village Clerk/Executive Secretary
Village of Bartlett
228 S. Main Street
Bartlett, IL 60103
Phone: (630) 540-5908
Fax: (630) 837-7168

From: [REDACTED]
Sent: Sunday, July 17, 2016 3:45 PM
To: Kevin Wallace <kwallace@vbartlett.org>; TL Arends <tarends@vbartlett.org>; Michael Camerer <mcamerer@vbartlett.org>; Vince Carbonaro <vcarbonaro@vbartlett.org>; Raymond Deyne <rdeyne@vbartlett.org>; Adam Hopkins <ahopkins@vbartlett.org>; Aaron Reinke <areinke@vbartlett.org>
Subject: Ashton Gardens neighbor issues

To the Bartlett Board of Trustees:

Naturally concerning to all of us in East Point Estates subdivision regarding the proposed Ashton Gardens facility will be the effects of this facility on our quality of living, property values, privacy, public safety, etc. So far our neighborhood has been very peaceful and tranquil to raise families. However, the impact of this large busy facility and the influx of over 300 people till 12:30AM will bring, traffic, noise, odors, activity, etc. to our immediate area. In surveying neighborhood responses, here is a list of their concerns:

Road ways:

- Drunk Drivers and the safety of Bartlett Families.
- Traffic congestion in the heart of town – not designed for this amount of traffic
- Parking...that can't be enough to accommodate workers and guests...
- Spill-over parking will legally roll into our streets...who polices this?
- What about back-to-back weddings...parking during the transition period, over flow, etc...

Property values

- our primary belief is a drop in value
- How will the result in tax revenue benefit all of us?

Neighborhood effects:

- Noise - will the back doors remain open at times?
- Noise - how do we deal with the thumping sound that transmits through their walls into our homes or rowdy guests?
- What about inebriated people walking around the area?
- Sounds like everyone else sees the nice front elevation but all of us have to deal with the back side...
- Lets see the Environmental Impact Studies – water run-off, snow piles, road traffic, etc.

Facilities:

- How will the facility be maintained?
- They claim “upscale weddings” but that doesn’t mean the guests are “upscale”. Guests can be from all social classes, demographics, walks of life, and locations
- Will there be security on site during events?
- fence will be built, what are the details....chain link, soundproof, cosmetics, height?
- loud banging of dumpsters and garbage trucks...
- Will dumpsters draw homeless for food?

Future:

- What are the rules? Let’s say the place goes bankrupt and there is a chapel. Could it turn into a place of worship, church, or mosque if the concept doesn’t work...what about future zoning?
- Are the 2 Village banquet halls over-booked??? Why would they invite competition to their own business? What about the new Dunham Castle facility, that’s up-scale?

Other locations:

- Ashton compares to how nice their other facilities are in TX and GA, but those places are primarily surrounded by forest or in business parks...
- Are there any located in residential areas? What do the neighbors say?
- In reality the guests are not coming here to see nor patronize Bartlett...

Our biggest impact will be on:

- 1) Public Safety – Drunks, DUIs, partiers, reckless driving, late nighters, adjacent road cut-thru’s
- 2) Competing with Bartlett Hills, Villa Olivia, The Seville, Dunham Castle
- 3) Quality of life - noise, odors, peacefulness
- 4) Environment

Since most are opposed, your consideration of these topics will be greatly appreciated.

Roberta Grill

From: Lorna Giles
Sent: Tuesday, July 19, 2016 1:24 PM
To: Valerie Salmons; Roberta Grill; Jim Plonczynski
Subject: FW: Ashton Gardens

From: Karyn Rizzo (mailto:karyn.rizzo@pmg.com)
Sent: Tuesday, July 19, 2016 12:51 PM
To: Aaron Reinke <areinke@vbartlett.org>
Subject: Ashton Gardens

Aaron,

I am writing to you to request that you reject the Ashton Gardens proposal to build on the property at Devon and Prospect Avenues. There are better locations to build this business, locations on busy streets. Perhaps they should consider the existing vacant property of the Dominicks location.

As a resident of East Point Estates, I do not want to bear the negative effects of this establishment on my property values. We have lived in a peaceful neighborhood since inception and would hate to see an influx of traffic and noise in the area.

Please support the residents of Bartlett East Point Estates.

Thank you,

Karyn Rizzo
205 John Drive

Roberta Grill

From: Lorna Giles
Sent: Wednesday, July 20, 2016 9:48 AM
To: Valerie Salmons; Jim Plonczynski; Roberta Grill
Subject: FW: Asbury Place Homeowner Concern

The e-mail below was sent to the Mayor and Board.

Lorna Giles
Village Clerk/Executive Secretary
Village of Bartlett
228 S. Main Street
Bartlett, IL 60103
Phone: (630) 540-5908
Fax: (630) 837-7168

From: Katie Zwolski <mailto:kzwolski@villageofbartlett.net>
Sent: Tuesday, July 19, 2016 8:07 PM
To: Kevin Wallace <kwallace@vbartlett.org>; TL Arends <tarends@vbartlett.org>; Michael Camerer <mcamerer@vbartlett.org>; Vince Carbonaro <vcarbonaro@vbartlett.org>; Raymond Deyne <rdeyne@vbartlett.org>; Adam Hopkins <ahopkins@vbartlett.org>; Aaron Reinke <areinke@vbartlett.org>
Subject: Asbury Place Homeowner Concern

Dear Bartlett Village President Kevin Wallace and the rest of the Village Trustees,

I am writing to you in regards to the poorly written letter I received today addressed to the Asbury Place association.

Let me start off by saying that I was raised in Bartlett since birth. I am a recently new homeowner in Bartlett, just 4 years under my belt. Buying my first home in the same town I grew up in clearly shows that I felt safe in Bartlett and enjoyed this small town and decided to stay once I became a college graduate and a woman in the working world. I have always found Bartlett to be a nice, humble town with leaders that valued the public opinion and kept us in their best interest. That is, until reading your letter today.

I did receive a previous letter that a facility was hosting an informational meeting and looking for input from the community, however, I was in the beautiful state of Oregon witnessing my brother exchange his wedding vows and was unable to be present. My plans had been set for months to attend my brother's wedding. Sorry to "disappoint" you all, but I do have a life and you have no business telling me how I should plan my life around your meeting schedules.

It was stated in the opening paragraph that you were, and I quote, "disappointed" that only 10% of homeowners attended the informational meeting about a new facility that is being built in the area which will affect our property value, quality of life, safety, traffic congestion, and peacefulness in our neighborhood. Nowhere in the initial letter did it state that any of these issues were being addressed. It was made clear that the business wanted to gather thoughts about the layout and look of their new facility. Additionally, it is clear that you don't know the demographic of this subdivision. Many of the townhomes are rented out, so I'm sure renters would not attend your abrupt meeting that was being held. They could care less. The poor choice of words and attack on our members was extremely offending. Attending meetings is a right and a choice that I have. It is not mandatory that I go.

In the middle of the letter you state that there is a village meeting being held on July 19, which was today. I arrived home late this afternoon from celebrating with my brother, so I was also unable to attend this meeting. Furthermore, you state a time, but lack to state the place as to where the meeting will be held. Even if I could attend, I wouldn't know where to go! **POOR COMMUNICATION** on your part. I'm sorry to say, and yet again you did not give people enough time to schedule their plans accordingly. This meeting was scheduled less than a week after the first informational meeting about the facility. It is summer. A time when people go on vacations. I'm sorry that you think that we sit around waiting for meetings to attend, but we don't.

In your letter you also state that the safety of our neighborhoods could be affected. My question to you is this- Why would you allow a facility to be built in Bartlett if you felt that it would affect the safety of our neighborhoods? Isn't that why we elected you to be officials of this village? Your job is to ensure the safety of our community members. I would hope that you are seeking out opportunities to help the economy of Bartlett in SAFE ways. Otherwise, I would question as to why you are in these leadership roles.

The lack of disrespect from Bartlett is leaving a poor taste in my mouth and will probably encourage me to move out of town when I decide to start a family.

I am (to use your words) "disappointed" in the lack of leadership and respect you have not given to the hardworking members of this community. We have lives and I'm sorry that you don't understand that. I hope that the next time you decide to send a letter to the community members, you have a better choice of words and show more respect.

A concerned Asbury Place Homeowner and Bartlett Community Member,

Katie Crawford

Roberta Grill

From: Jim Plonczynski
Sent: Tuesday, July 19, 2016 11:16 AM
To: Roberta Grill
Subject: FW: Please do not support the Ashton Gardens project

FYI

From: Lorna Giles
Sent: Tuesday, July 19, 2016 9:42 AM
To: T.L. Arends (home) <tntarends@sbcglobal.net>; Michael Camerer <mcamerer@vbartlett.org>; Vince Carbonaro <vcarbonaro@vbartlett.org>; Raymond Deyne <rdeyne@vbartlett.org>; Adam Hopkins <ahopkins@vbartlett.org>; Aaron Reinke <areinke@vbartlett.org>
Cc: Valerie Salmons <VLSalmons@vbartlett.org>; Jim Plonczynski <JPlonczynski@vbartlett.org>
Subject: FW: Please do not support the Ashton Gardens project

From: Jim Regan [mailto:jamespatrickregan@gmail.com]
Sent: Tuesday, July 19, 2016 9:35 AM
To: Kevin Wallace <kwallace@vbartlett.org>
Subject: Please do not support the Ashton Gardens project

Village President Wallace,

Good morning.

My name is Jim Regan. My wife, Ann, our two daughters and I live on Hillandale Drive in the East Point Estates neighborhood. I am writing to you today **to beg you to stop this plan to allow Ashton Gardens to build at the intersection of Prospect and Devon.**

I have been on their website, and I have seen pictures of beautiful chapels at their other locations. However, let's not be swayed by the window dressing. With or without the preceding wedding ceremony, you would effectively be approving a private dance club to open adjacent to one of the quietest residential areas of Bartlett. This business will host a 1 hour ceremony followed by 4-6 hour parties where hundreds of people will gather to eat, drink alcohol, and dance to music from a DJ or live band. How is that different from a dance club?

We have known for years that this plot is zoned for commercial use, but this business is the wrong type for business for this location. Here are the issues we have with this specific plan:

Increased Traffic: This location is not adjacent to any major road, like Lake Street or Route 59. From any direction, guests will be passing through residential areas both before and after their night of celebrating.

Parking Issues: Should this business's lot ever be full, where will those excess vehicles go? On the streets of our neighborhood. Even if overflow parking is added across Prospect or allowed at Leiseberg park, I can assure you that people will take the closer option of parking on Hillandale or Lido.

Keep in mind with both of these issues above, our homes are only accessible via those two streets: Hillandale and Lido. There is no possible way for the residents of our neighborhood to avoid this business (and the associated traffic) by traveling south or west. None.

Increased Noise, particularly late into the night: Again, any reception hall has all of the issues of a dance club once the party begins. In addition to the music, you will have guests and staff alike gathering outside to smoke and talk. This will be followed by over-served guests stumbling to their cars, and occasionally fighting in the parking lot.

I grew up just outside Chicago, where a CTA bus passed by my house 5 times an hour, and I could still hear the noise from the bar/dance club that was a block away. Among the reasons I now live in Bartlett is to get away from that noise and traffic associated with the city.

Increase in Drunk Drivers traveling through the heart of Bartlett: If allowed to open, Ashton Gardens will increase the number of drunk drivers on the roads of Bartlett, simply by the nature of their business. This would be true of any business that routinely offers guests a 4-6 hour open bar, so I do not mean to single them out. I simply want to highlight how horrible this location is for this type of business, as there is no way for their guests to leave Bartlett without these drunk drivers passing through so many residential areas.

Again, living near a bar/dance club growing up, I have firsthand experience with drunk drivers hitting our cars parked on the street, driving across our lawns (as evidenced by tire tracks in the snow) and we even had our house struck not once, but twice by drunken drivers. And still, we were lucky in that our damages were limited to property.

I completely understand the need to get more business into Bartlett, but this is such a bad idea for this particular location. Adjacent to a dozen homes and within earshot of hundreds of neighbors, if you approve this plan to move forward, you would be allowing a loud business to operate late into the night when working people and families are trying to sleep while also inviting drunk drivers to meander through our streets as they attempt to find their ways home.

I ask, would you want this business directly behind your home? Or even at the end of your block? I assure you that the families, tax payers, and voters in East Point Estates most certainly do not.

I implore you to stop this project from moving forward.

Thank you

Jim Regan

Jamespatrickregan@gmail.com
630-254-9102

Roberta Grill

From: Patrick Cannone <patrickcannone@yahoo.com>
Sent: Tuesday, July 19, 2016 10:34 AM
To: Kevin Wallace; TL Arends; Michael Camerer; Vince Carbonaro; Raymond Deyne; Adam Hopkins; Aaron Reinke
Subject: Aston Garden porposal - Deny approval to build

To whom it may concern:

It has come to our attention in recent months that the property at the southwest corner of Devon and Prospect is in negotiations to break ground. The community of East Pointe Estates are VERY concerned for the wellbeing of our community. A few points to highlight are as follows:

1. Notification to impacted residences – I live on Anita Drive and was NOT notified by the village or the potential buyer. I found out about the potential sale by word of mouth within our community. This is very disturbing because it appears the process at the village is once again broken. For example, when I had to repair and replace an existing deck on my raised ranch, I had to have two Public Notice signs on my residential lot and mail 60 certified mail letters explaining what I was doing to the surrounding impacted community. Clearly, it appears that to abide by the building permit rules of the Village of Bartlett is optional. The Village doesn't take what is in the best interest of the community into account. The roles and responsibility of the Village board is to listen to its people and to abide by the laws of the community to keep our residences safe. We don't believe this is occurring and the word of mouth is quickly spreading to other Bartlett communities.
2. Taxes – Our community taxes have gone up significantly. I want to confirm that the new buyer will NOT be getting any tax incentives, i.e. property, employment, etc.
3. Parking – Our community is very concerned about the overflow parking coming to our streets. We are concerned about the safety of our property and we work hard to keep it clean. How many parking spots will they be building? Now a days each family drives 2-3 cars to an event. It doesn't appear that a building and 200-300 parking spots can fit on that lot.
4. Property Values – We work hard to keep our community looking great in order to increase our property values. The risk of building the Aston Gardens will devalue our properties, i.e. garbage smell, unwanted animals, littering, etc. The devalue of our properties that we CAN control is unacceptable.
5. Location – It would make sense to most of us that the potential buyer would want to be on a busy road in order to attract more clients and advertise the facility, i.e. for example the corner of Sterns and 59. We already have distressed properties we need to get rid of. Why can't we start there? Why is the above mentioned land zoned for commercial in the first place when the whole south side of Devon is residential property? It appears it would be in the best interest of the Village of Bartlett to build homes on that land to attract more family friendly communities. We already have banquet halls in Bartlett. Do they know this is going on? How will

it impact there businesses? It appears not enough due diligence and awareness was conducted.

As you can see our community is very concerned about the project. It is imperative that we deny the sale of the property to Aston Gardens.

Thanks
Patrick Cannone
Anita Drive
Bartlett

Roberta Grill

From: Lorna Giles
Sent: Wednesday, August 03, 2016 10:44 AM
To: Roberta Grill
Subject: OPPOSE Aston Gardens development

Lorna Giles
Village Clerk/Executive Secretary
Village of Bartlett
228 S. Main Street
Bartlett, IL 60103
Phone: (630) 540-5908
Fax: (630) 837-7168

From: James Pish [mailto:jim@cedambers.com]
Sent: Tuesday, July 19, 2016 8:19 AM
To: Kevin Wallace <kwallace@vbartlett.org>
Cc: TL Arends <tlarends@vbartlett.org>; Michael Camerer <mcamerer@vbartlett.org>; Vince Carbonaro <vcarbonaro@vbartlett.org>; Raymond Deyne <rdeyne@vbartlett.org>; Adam Hopkins <ahopkins@vbartlett.org>; Aaron Reinke <areinke@vbartlett.org>
Subject: OPPOSE Aston Gardens development

Good Morning.

I am writing this email to voice my strong opposition to the planned Aston Gardens development at the corner of Devon and Prospect in Bartlett.

Forcing this facility into a community that it will not fit will be a tragedy to the people that live here.

For this concern to be successful, it will necessarily fill every weekend with noise, parking issues and security problems for everyone in the surrounding community.

I hope the village board will strongly consider the significant affect this will have on the quality of life of Bartlett residents.

Please reject this development, and wait for something that is appropriate to the area that shows more consideration of the people that live here.

Thank you.

James Pish

396 Bradbury Lane
Bartlett, IL. 60103

Roberta Grill

From: Lorna Gilles
Sent: Wednesday, August 03, 2016 11:03 AM
To: Roberta Grill
Subject: Ashton Gardens feedback

-----Original Message-----

From: Jon Kelly <mailto:jonathankelly@msn.com>
Sent: Monday, July 18, 2016 10:45 PM
To: Kevin Wallace <kwallace@vbartlett.org>
Subject: Ashton Gardens feedback

Dear President Wallace,

I am writing to provide feedback on the proposed Ashton Gardens project being considered for the parcel of land located on the southwest corner of the intersection of Devon and Prospect. We have lived in the East Pointe Estates subdivision for 16 years, and while I am not well versed in the relevant town ordinances, it would appear that the location of our house on Deanna Drive is considered outside of the "officially" affected properties. This is based on the notifications provided by the Ashton Gardens representative, as we were not on the list of households notified by mail by the Ashton Gardens company. So, the first point I would like to make is that regardless of the distance that a house in East Pointe Estates is from the proposed facility, we will all be impacted because the only 2 entrances to our subdivision are located on either side of the land where this facility will be located. In my view, given the likely impact on traffic from a facility that caters to crowds of 200+, anyone who enters or exits on either Lido Trail or Hillandale will be affected. So with that in mind, I feel that my feedback should be taken into consideration prior to making any final decision, or formal approval being given, by the village related to this project moving forward. Unfortunately due to my travel schedule, it is unlikely that I will be able attend many (perhaps any) of the various meetings where citizen input can be provided and hence I am writing this email to you personally.

Until I know more about the planned facility and how its presence will impact all of the residents in the area, I do not have a specific opinion for or against it. My personal preference would be that it remain an undeveloped parcel of land, but I recognize that is impractical as the current owner of the land is likely looking for some return on their investment. If properly constructed, maintained, managed and regulated, I believe this type of business could be one option that has minimal negative impact on those of us whose neighborhood will be affected merely because of our proximity to its location. That being said, I do have concerns related to several items that I would like you individually, and the Village as a whole, to consider prior to this being allowed to move forward. Again, I am not deeply familiar with the relevant ordinances that may or may not affect how these items are addressed, but I ask that you step back from the letter of the law when evaluating these items and think about them from the perspective of a fellow resident and as if the facility were being built in the immediate vicinity of your home.

1) Is this truly a viable business that will positively impact the lives of Bartlett residents and will remain in business for years to come? If this is built and the business fails in say 2-5 years, what will become of the facility? Bartlett already has a dearth of empty large buildings which are struggling to be repurposed for use by other businesses. In my mind, it is one thing to attract another business into a typical storefront in a strip mall, or even into a former grocery store, but what exactly would you be able to do with a former chapel and banquet facility?

2) Keeping point (1) in mind, I am a bit concerned as a resident who already has somewhat of a vested interest in 2 banquet facilities. As a taxpayer within both the Village of Bartlett and the Bartlett Park District, I consider the Bartlett Hills Golf Club and Villa Olivia to be semi-government run businesses in which I am a partial owner. Looking at it from this perspective as a taxpayer, I would prefer not to have a new business come in to compete with some of the services

those facilities provide because that would pose a threat to the status quo of how my current tax dollars are being utilized. Ideally, both of those facilities are self sustaining and my taxes are not subsidizing their operations (unsure if that is true), but if competition takes away some of their business, I am sure that the government entities responsible for them will spend multiple years trying to keep them running by funding their operations while either raising my current taxes or reducing other services that are important. Also from a competition perspective, I do wonder if the investors in Ashton Gardens have considered the additional competitive threat that the remodeled Dunham Castle facility will provide? That is another item to think about when evaluating if this business is viable.

3) My next point for you to consider has to do with the neighborhood impact of the required parking spaces at the facility. From a neighborhood quality of life perspective, this is one of my primary concerns. Again, I am severely deficient in my knowledge of the applicable ordinances and regulations that determine the quantity of spaces required of this type of facility. That being said, I would be truly surprised if when the formula that is used for calculating the number of required spaces was created that it was envisioned to account for what I see as a very unique type of venue with very different customer and vehicular usage patterns. I mean based on the Ashton Gardens company's own admission, this is meant to be a one of a kind of venue in all of Chicagoland, so how could we have possibly accounted for a business where they expect 200 plus guests (not to mention employees and other service providing staff - caterers, florists, musicians, livery, photographers and other companies that provide services aimed specifically at weddings) to arrive en mass at a specified start time? Even assuming every invited guest comes 2 to a car, I find that the proposed number of parking spaces I have seen in the artists renderings to seem woefully inadequate. As you may imagine, my concern is where will the overflow parking be permitted? I certainly would prefer that it not be on the residential streets of East Pointe Estates. I hope that if approved the Village will also plan on monitoring and patrolling our neighborhood during the events to enforce existing ordinances or perhaps will consider enacting additional regulations to ensure our streets are not negatively impacted by an overflow of vehicles and traffic. Again this is something that I hope you will consider as the review process moves forward.

4) My final point is again related to the parking, but in this case it relates the environmental impact that concreting over such a large green space will have. I know that there now exist several other options for parking surfaces that allow rainwater to seep through the surface (vs. running off into gutters and then storm sewers). There have been so many cases in recent years of flooding around Bartlett that have subsequently required massive investment for further improvements to remedy the drainage of flood water that I hope the Village will have the foresight to work with Ashton Gardens to come up with an approach that avoids those kinds of future problems. I believe that the new recreation facility in Carol Stream utilizes one if these non-solid concrete surfaces and I hope a solution of this type or something similar will be strongly encouraged (and perhaps insisted upon), prior to providing approval to move forward.

I am sure that there are many other impacts that I have not considered - both positive and negative. I know there will be a lot of people on both sides of the argument for and against this project. My request of you is to please consider all sides of the argument and think ahead to the many downstream impacts that this project will have before you make a final decision. Please remember the entire population of Bartlett will likely be impacted by this in some way, but those of us who live closest to the Ashton Gardens development will have to live with it day and night for years to come.

Thank you.

Jon Kelly

437 Deanna Drive
Bartlett, IL 60103

jonathankelly@msn.com

Jon Kelly

jonathankelly@msn.com

RECEIVED
COMMUNITY DEVELOPMENT

AUG 02 2016

VILLAGE OF
BARTLETT

RICK CHAFFIN
CITY MANAGER
CITY OF CORINTH



3300 CORINTH PKWY
CORINTH, TEXAS 76208
940-498-3200



To Whom It May Concern,

On behalf of the City of Corinth, Texas it is my pleasure to recommend Ashton Gardens as a premier venue for your community.

Ashton Gardens is an asset to the community and has been a model corporate citizen in Corinth since it opened. In addition to attracting a significant amount of visitors and corporate business to Corinth each year, Ashton Gardens has also been the preferred location of many of the City's special events including the annual Police and Fire Banquet, as well as the first annual City Volunteer Appreciation Dinner in October of 2015.

The City of Corinth is fortunate to be the home of a truly unique venue like Ashton Gardens. Please feel free to contact me if you have any questions or need additional information.

Best Regards,

Rick Chaffin
City Manager
City of Corinth



RECEIVED
COMMUNITY DEVELOPMENT

AUG 02 2016

VILLAGE OF
BARTLETT

August 7, 2015

To Whom It May Concern:

The City of Sugar Hill is proud to be home to Ashton Gardens Atlanta. Since they opened their doors in Sugar Hill in 2012 less than a mile from our downtown, they have been an ever-present member of the Sugar Hill community as well as the greater Gwinnett County area. Their elegant facility and calm and serene scenery creates a hidden gem in our flourishing suburb of Atlanta. Voted Best of Gwinnett in 2013 and The Knot's Best of Weddings from 2008 to 2013, Ashton Gardens is a jewel of our community.

We share common goals of excellence in customer service and world-class facilities. The leadership of the facility in Sugar Hill as well as President Brad Schreiber in Houston has been accessible and responsive. They are a great corporate and community partner, serving as a sponsor and participant in our "Sweet Life Concert Series" and other downtown events.

Ashton Gardens Atlanta hosts over 300 upscale weddings and functions per year, bringing in literally thousands of new guests through their doors every year. The City has experienced a significant positive economic impact thanks to the presence of Ashton Gardens. In fact, we are looking for ways to attract the interest of a hotel developer to capture the 1200-1500 hotel night stays created by their wedding events every year.

As city manager of Sugar Hill, I would highly recommend Ashton Gardens to any community fortunate to have them considering the siting of a new facility in their community. Their facility would add significant value to any community landscape.

Best Regards,



Paul D. Radford
City Manager

C: Mr. Brad Schreiber, President
Ashton Gardens

5039 West Broad Street • Sugar Hill, GA 30518 • 770-945-6716 • 770-945-0281 Fax
www.cityofsugarhill.com

INVERNESS FOREST HOME OWNER'S ASSOCIATION

RECEIVED
COMMUNITY DEVELOPMENT

AUG 02 2016

VILLAGE OF
BARTLETT

7/22/16

To Whom It May Concern:

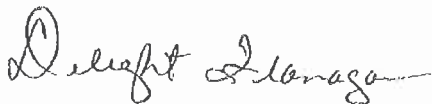
I am the President of the Inverness Forest Home Owner's Association. The purpose of this correspondence is to give support and a recommendation for the Ashton Gardens Corporation.

Since the completion over ten years ago, of the Ashton Gardens facility located at 21919 Inverness Forest Blvd., we have had a good neighboring relationship with this company.

Ashton Gardens has always been respectful of the residents in our community. At no time have there been complaints of loud music, alcoholic related activities, or any type of criminal behavior. Ashton Gardens has never caused an issue related to parking or deliveries for our subdivision. The company has utilized their own private drive for all traffic traveling in and out of the facility during hours of operation.

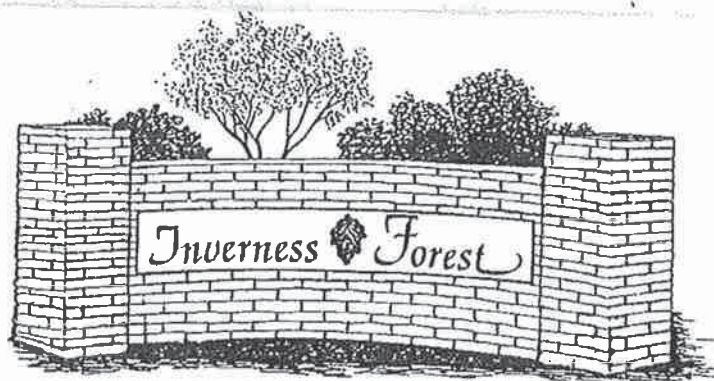
Management has always maintained a clean and well-manicured property. We are happy to have a good partnership with the Ashton Gardens Corporation and would recommend this company as a neighbor.

Sincerely,



Delight Flanagan

President, Inverness Forest Home Owner's Association



Oakmont Country Club Property Owners Association
c/o Vision Communities Management, Inc.
6305 Preston Road, Suite 900
Plano, Texas 75024 ~ 972-612-2303

RECEIVED
COMMUNITY DEVELOPMENT

AUG 02 2016

VILLAGE OF
BARTLETT

August 1, 2016
Re: Ashton Gardens

To Whom It May Concern,

The Oakmont Country Club Estates Property Owners Association is writing to relay our recommendation for Ashton Gardens to be granted building rights for a facility in your area. The Ashton Gardens venue in Denton Texas sits on the right side of the main entrance to our neighborhood, Oakmont Country Club Estates.

Ashton Gardens has been a good neighbor to our community in many ways, one example of such was their willingness to allow our community to host one of our Annual Meetings at their venue. The space was comfortable, ample to accommodate our number of guests, clean and welcoming.

We have never experienced any loud noise issues or complaints from our residents about any parties or events held in the venue, similarly we have never had any issues or complaints with the Ashton Gardens Staff. The property is always well maintained, clean and attractive to passerby's. Ashton Gardens Management and Staff has always been respectful to us and our residents.

Please do not hesitate to contact us regarding this correspondence,

Amber Anderson
Chief Financial Officer / Owners
Vision Communities Management, Inc.
On behalf of the Oakmont POA Board of Directors
Email: amber@vcmtexas.com

RECEIVED
COMMUNITY DEVELOPMENT

AUG 02 2016

VILLAGE OF
BARTLETT



July 26, 2016

The Village of Bartlett Board of Trustees
228 S. Main St.
Bartlett, Illinois 60103

Dear Board of Trustees,

First off I would like to start off by introducing myself. I am Lieutenant Jimmie Gregg and I have been in law enforcement for approximately 19 years and have served 17 of those years here in the City of Corinth. I have overseen the security operations at Ashton Gardens since 2010. I can tell you Ashton Gardens is a top notch business and the City of Corinth is lucky to have such an establishment. Ashton Gardens opened their doors in 2009 and have been wonderful neighbors to the adjacent neighborhood, Oakmont, ever since. Ashton Gardens is very respectful of its neighbors as they have many constraints on nuisance type issues such as deliveries, activities in the parking lot, and loud music, just to name a few. The property at Ashton Gardens is always clean and well kept. In the seven years they have been open the police department has not experienced an increase in alcohol related issues at the property or in any of the adjacent areas. Please feel free to contact me directly for any further questions you may have about Ashton Gardens.

Sincerely,


Lieutenant Jimmie Gregg

Debra Walthall
Chief of Police

Corinth Police Department
2003 S. Corinth Street
Corinth, Texas 76210

Phone: (940) 498-2017
Fax: (940) 498-4509