
PRE-COUNCIL WORK SESSION — 7:00 P.M.

Agenda of the Regular Meeting
of the City Council of the
CITY OF DARIEN
September 4, 2018
7:30 P.M.

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Declaration of Quorum
5. Questions, Comments and Announcements — **General (This is an opportunity for the public to make comments or ask questions on any issue – 3 Minute Limit Per Person, Additional Public Comment Period - Agenda Item 18)**
6. Approval of Minutes — [August 6, 2018](#)
7. Receiving of Communications
8. Mayor's Report
 - A. Mayoral Proclamation “[Arts DuPage Month](#)” (October 2018)
9. City Clerk's Report
10. City Administrator's Report
11. Department Head Information/Questions
12. Treasurer's Report
 - A. [Police Pension Fund Actuarial Valuation Report](#)
 - B. Warrant Number — [18-19-08](#)
 - C. Warrant Number— [18-19-09](#)
 - D. Monthly Report — [July 2018](#)
13. Standing Committee Reports
14. Questions and Comments — **Agenda Related (This is an opportunity for the public to make comments or ask questions on any item on the Council’s Agenda – 3 Minute Limit Per Person)**

15. Old Business
16. Consent Agenda
 - A. Consideration of a Motion to Grant a Waiver of the Raffle License Bond Requirement for the [Nick Kot Charity for TBI](#)
 - B. Consideration of a Motion to Grant a Waiver of the Raffle License Bond Requirement for the [Cancer Smashers](#)
 - C. Consideration of a Motion Granting a Waiver of the \$50.00 a Day Fee for the Class “J” Temporary Liquor License for [Our Lady of Peace School](#)
 - D. Consideration of a Motion to Approve an Ordinance Authorizing the Disposal of [Surplus Property](#) (Bicycles, Chairs, Tables, etc.)
 - E. Consideration of a Motion to Authorize the Expenditure of Budgeted Funds Up to \$10,000 to Enter into an Agreement with [I/O Solutions](#) to Conduct Testing to Establish an Eligibility List from Which to Hire Police Officer to Fill Anticipated Openings
 - F. Consideration of a Motion to Authorize the Expenditure of Budgeted Funds from Line Item 01-40-4325 Consulting/Professional Services, for the One Year Law Enforcement Policy Manual Update Subscription from [Lexipol, LLC](#) in the Amount of \$7,994.00
 - G. Consideration of a Motion to Approve a Resolution Accepting Public Water Main Improvements (Panattoni Warehouse - [7879 Lemont Road](#))
 - H. Consideration of a Motion to Approve a Resolution Authorizing the Mayor to Award a Contract Extension to Homer Tree Care, Inc. in an Amount not to Exceed \$155,515.00, for the City's [2018/2019 Tree Trimming and Removal Program](#)
 - I. Consideration of a Motion to Approve a Resolution Authorizing the Mayor to Accept the Unit Price Proposal from Ramiro Guzman Landscaping, Inc. for the Purchase and Installation of the [50/50 Parkway Tree Program and the Parkway Tree Replacement Program](#) in an Amount not to Exceed \$35,755.00
17. New Business
 - A. Consideration of a Motion to Approve an Ordinance Approving a Variation to the Darien Zoning Ordinance (PZC 2018-06 [1035 S. Frontage Road Sterling Bay](#))
18. Questions, Comments and Announcements — **General (This is an opportunity for the public to [make comments or ask questions on any issue](#) – 3 Minute Limit Per Person)**
19. Adjournment

A WORK SESSION WAS CALLED TO ORDER AT 7:00 P.M. BY MAYOR WEAVER FOR THE PURPOSE OF REVIEWING ITEMS ON THE AUGUST 6, 2018 AGENDA WITH THE CITY COUNCIL. THE WORK SESSION ADJOURNED AT 7:25 P.M.

Minutes of the Regular Meeting

of the City Council of the

CITY OF DARIEN

August 6, 2018

7:30 P.M.

1. **CALL TO ORDER**

The regular meeting of the City Council of the City of Darien was called to order at 7:30 P.M. by Mayor Weaver.

2. **PLEDGE OF ALLEGIANCE**

Mayor Weaver led the Council and audience in the Pledge of Allegiance.

3. **ROLL CALL** — The Roll Call of Aldermen by Clerk Ragona was as follows:

Present:	Thomas J. Belczak	Sylvia McIvor
	Thomas M. Chlystek	Ted V. Schauer
	Joseph A. Marchese	Lester Vaughan

Absent: Joseph A. Kenny

Also in Attendance: Kathleen Moesle Weaver, Mayor
JoAnne E. Ragona, City Clerk
Michael J. Coren, City Treasurer
Bryon D. Vana, City Administrator
Gregory Thomas, Police Chief
Daniel Gombac, Director of Municipal Services

4. **DECLARATION OF A QUORUM** — There being six aldermen present, Mayor Weaver declared a quorum.

5. **QUESTIONS, COMMENTS AND ANNOUNCEMENTS – GENERAL**

Chuck Fisher, 30-year Darien resident, expressed his concerns regarding the trucking warehouse that Sterling Bay is proposing on South Frontage Road. Mr. Fisher was concerned with the pollution, noise, congestion, and public safety that truck traffic would bring to the community.

Mayor Weaver introduced Ben Carter, who said he was in Boy Scout Troop 56 and is working on a merit badge.

6. **APPROVAL OF MINUTES** – July 16, 2018 City Council Meeting

It was moved by Alderman Vaughan and seconded by Alderman Belczak to approve the minutes of the City Council Meeting of July 16, 2018.

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

7. **RECEIVING OF COMMUNICATIONS**

Alderman Vaughan received communication from residents on Maple Lane regarding non-compliance of refuse container placement in front of homes. He requested an amendment to code that would exempt certain types of homes. Mayor Weaver directed Municipal Services Committee to review the ordinance.

Alderman Chylstek thanked Jerry Leganski for organizing the Ward 4 Block Party, the Darien Police Department, and the Tri-State Fire Department for their participation in the event.

8. **MAYOR’S REPORT**

A. CONSIDERATION OF A MOTION TO APPROVE THE REAPPOINTMENT OF JANE L. HARMON, DEB HARDTKE, ALLAN P. JACKIMEK, ARLETA PEKNIK AND KRISHAN SANT TO THE ENVIRONMENTAL COMMITTEE

It was moved by Alderman McIvor and seconded by Alderman Belczak to approve the motion as presented.

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

Clerk Ragona administered the Oath of Office to Deb Hardtke, Allan P. Jackimek, Arleta Peknik and Krishan Sant.

9. **CITY CLERK'S REPORT**

There was no report.

10. **CITY ADMINISTRATOR'S REPORT**

There was no report.

11. **DEPARTMENT HEAD INFORMATION/QUESTIONS**

A. POLICE DEPARTMENT – NO REPORT

Chief Thomas announced the National Night Out will be held on August 7, 2018 at the Darien Community Park from 6-9:00 P.M. Public Works will participate in the Touch-a-Truck Event.

B. MUNICIPAL SERVICES

Director Gombac provided an update on Public Works projects as follows:

- Water Main Project on Plainfield: to be completed in next three weeks.
- Road Program: concrete curbs and gutters have been completed; neighborhood sidewalks, miscellaneous curb, and flat work to be completed in approximately three weeks.
- Ditch Projects: three of four projects completed; sod on Clarendon Hills Road needs to be placed.
- Rear Yard Drainage Projects: projects are within budget; money is available to add Tamarack Project.

12. **TREASURER’S REPORT**

A. WARRANT NUMBER 18-19-07

It was moved by Alderman Belczak and seconded by Alderman Vaughan to approve payment of Warrant Number 18-19-07 in the amount of \$665,329.90 from the enumerated funds, and \$261,037.71 from payroll funds for the period ending 08/02/18 for a total to be approved of \$926,367.61.

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

B. MONTHLY REPORT – MAY 2018

Treasurer Coren stated the May and June Monthly Reports are “preliminary” based on draft financial statements.

Treasurer Coren reviewed year-to-date sources of revenue, expenditures, and fund balances through the month of May 2018:

<u>General Fund:</u>	Revenue \$1,314,583; Expenditures \$754,721 Current Balance \$4,841,179
<u>Water Fund:</u>	Revenue \$1,233,024; Expenditures \$118,282; Current Balance \$2,575,367
<u>Motor Fuel Tax Fund:</u>	Revenue \$51,025; Expenditures \$31,444; Current Balance \$409,021
<u>Water Depreciation Fund:</u>	Revenue \$3,440,318; Expenditures \$400; Current Balance \$3,123,961
<u>Capital Improvement Fund:</u>	Revenue \$15,370; Expenditures \$275,475; Current Balance \$5,861,941

C. MONTHLY REPORT – JUNE 2018

Treasurer Coren reviewed year-to-date sources of revenue, expenditures, and fund balances through the month of June 2018:

City Council Meeting

August 6, 2018

<u>General Fund:</u>	Revenue \$3,466,641; Expenditures \$2,199,633 Current Balance \$5,548,325
<u>Water Fund:</u>	Revenue \$2,409,083; Expenditures \$669,216; Current Balance \$3,200,492
<u>Motor Fuel Tax Fund:</u>	Revenue \$98,081; Expenditures \$64,526; Current Balance \$422,993
<u>Water Depreciation Fund:</u>	Revenue \$3,439,935; Expenditures \$310,073; Current Balance \$2,813,906
<u>Capital Improvement Fund:</u>	Revenue \$115,643; Expenditures \$1,116,022; Current Balance \$5,121,667

Treasurer Coren provided an update from Police Pension Board Quarterly Meeting. As of April 30, 2018 the numbers reflected a 7% return with the latest quarter reflecting 1.07 and 1.38% respectively from the 2 investment advisors. The Actuary will make a formal presentation to Council in September.

13. **STANDING COMMITTEE REPORTS**

Administrative/Finance Committee – Chairman Schauer stated the minutes of the April 2, 2018 meeting were approved and submitted to the Clerk’s Office. He announced the next meeting of the Administrative/Finance Committee is scheduled for Tuesday, September 4, 2018 at 6:00 P.M. in the City Hall Conference Room.

Municipal Services Committee – Chairman Marchese stated the minutes of the June 25, 2018 meeting were approved and submitted to the Clerk’s Office. He announced the next meeting of the Municipal Services Committee is scheduled for August 27, 2018 at 6:30 P.M.

Police Committee – Chairman McIvor advised the next meeting of the Police Committee is scheduled for August 20, 2018 at 6:00 P.M. in the Police Department Training Room.

14. **QUESTIONS AND COMMENTS – AGENDA RELATED**

Matt Goodwin thanked the City and Municipal Services for the work done on Clarendon Hills Road. He was pleased the Rear Yard Drainage Projects continue to be available and voiced his appreciation of the programs the City provides.

15. **OLD BUSINESS**

There was no Old Business.

16. **CONSENT AGENDA**

Mayor Weaver noted that Consent Agenda Item D was moved to New Business as Item C.

It was moved by Alderman Marchese and seconded by Alderman Belczak to approve by Omnibus Vote the following items on the Consent Agenda:

A. CONSIDERATION OF A MOTION TO APPROVE:

- **SEPTEMBER 7TH, 8TH, AND 9TH AS DATES FOR THE DARIEN CHAMBER OF COMMERCE TO HOLD THE DARIENFEST 2018 CELEBRATION**
- **ROAD CLOSURES TO ACCOMMODATE WINDY CITY AMUSEMENT CO. INCLUDING CLARENDON HILLS ROAD FROM PLAINFIELD ROAD TO 71ST STREET FROM 10:00 A.M. ON THURSDAY, SEPTEMBER 6TH, 2018, UNTIL 5:00 P.M. ON MONDAY, SEPTEMBER 10, 2017 (WITH MAINTENANCE OF LANE FOR EMERGENCY VEHICLES); TENNESSEE AVENUE AND 72ND STREET TO BENTLEY TO BE CLOSED EXCEPT FOR LOCAL TRAFFIC; NO PARKING ON THE NORTH SIDE OF 71ST FROM CLARENDON HILLS ROAD TO THE WEST END OF DARIEN COMMUNITY PARK; NO PARKING ON BOTH SIDES OF CLARENDON HILLS ROAD FROM 71ST STREET TO 69TH STREET; NO PARKING ON THE EAST SIDE OF BENTLEY AVENUE FROM 71ST STREET TO 72ND STREET; AND PARKING ON ONE SIDE OF ROGER ROAD**
- **PROVIDING POLICE PROTECTION AND PUBLIC WORKS SERVICES FOR THE DARIENFEST 2018 AS PER ATTACHED AGREEMENT**

B. CONSIDERATION OF A MOTION GRANTING A WAIVER OF THE \$50.00 A DAY FEE FOR THE TEMPORARY LIQUOR LICENSE – DARIENFEST 2018

C. ORDINANCE NO. O-15-18

AN ORDINANCE AMENDING VARIOUS SECTIONS OF TITLE 4, “BUILDING REGULATIONS”, CHAPTER 1, “DARIEN BUILDING CODE”, OF THE DARIEN CITY CODE

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

17. **NEW BUSINESS**

A. CONSIDERATION OF A MOTION TO APPROVE AN ORDINANCE OF THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS, ASCERTAINING THE PREVAILING RATE OF WAGES FOR LABORERS, WORKMEN, AND MECHANICS EMPLOYED ON PUBLIC WORKS OF SAID CITY

It was moved by Alderman McIvor and seconded by Alderman Schauer to approve the motion as presented.

ORDINANCE NO. O-16-18

AN ORDINANCE OF THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS, ASCERTAINING THE PREVAILING RATE OF WAGES FOR LABORERS, WORKMEN, AND MECHANICS EMPLOYED ON PUBLIC WORKS OF SAID CITY

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

B. CONSIDERATION OF A MOTION TO APPROVE AN ORDINANCE APPROVING A SPECIAL USE FOR AN EATING ESTABLISHMENT (PZC 2018-05: 801 PLAINFIELD ROAD, UNIT 12, VFW)

It was moved by Alderman Belczak and seconded by Alderman Marchese to approve the motion as presented.

Alderman Chylstek thanked veterans for their service. He voiced his concerns about the location being close to a school and family oriented businesses.

Council discussed liquor being served at neighboring business establishments.

ORDINANCE NO. O-17-18 AN ORDINANCE APPROVING A SPECIAL USE FOR AN EATING ESTABLISHMENT (PZC 2018-05: 801 PLAINFIELD ROAD, UNIT 12, VFW)

Roll Call: Ayes: Belczak, Marchese, McIvor, Schauer, Vaughan
 Nays: Chylstek
 Absent: Kenny

Results: Ayes 5, Nays 1, Absent 1

MOTION DULY CARRIED

C. CONSIDERATION OF A MOTION TO APPROVE A RESOLUTION ACCEPTING A PROPOSAL FROM AQUA FIORI, INC. FOR THE PURCHASE AND INSTALLATION OF AN IRRIGATION SYSTEM FOR THE CITY OF DARIEN, 1702 AND 1710 PLAINFIELD ROAD IN AN AMOUNT NOT TO EXCEED \$15,000.

It was moved by Alderman Belczak and seconded by Alderman Vaughan to approve the motion as presented.

Mayor Weaver stated “not to exceed” amount was changed in the Work Session from \$11,950 to \$15,000 as budgeted to accommodate irrigation in the green area behind City Hall.

RESOLUTION NO. R-82-18 A RESOLUTION ACCEPTING A PROPOSAL FROM AQUA FIORI, INC. FOR THE PURCHASE AND INSTALLATION OF AN IRRIGATION SYSTEM FOR THE CITY OF DARIEN, 1702 AND 1710 PLAINFIELD ROAD IN AN AMOUNT NOT TO EXCEED \$15,000.

City Council Meeting

August 6, 2018

Roll Call: Ayes: Belczak, Chlystek, Marchese, McIvor, Schauer, Vaughan

Nays: None

Absent: Kenny

Results: Ayes 6, Nays 0, Absent 1

MOTION DULY CARRIED

18. **QUESTIONS, COMMENTS AND ANNOUNCEMENTS – GENERAL**

Alderman Schauer stated that at the Administrative/Finance Committee Meeting, Darien Lions Club was requested to provide a “Letter of Intent” regarding storage facility need requirements for further review.

Alderman McIvor commented local grocery stores are already selling Halloween candy.

Alderman Marchese...

...announced Darien Chamber of Commerce “Dancing with the Chamber Starz” will be held in October. Lineup this year will include Alderman Chlystek, Alderman Vaughan, and Sergeant Skweres.

...commented Darien Day in the Park was successful; he thanked all for their support.

19. **ADJOURNMENT**

There being no further business to come before the City Council, it was moved by Alderman McIvor and seconded by Alderman Schauer to adjourn the City Council meeting.

VIA VOICE VOTE – MOTION DULY CARRIED

The City Council meeting adjourned at 8:19 P.M.

Mayor

City Clerk

Mayoral Proclamation

WHEREAS, the arts, culture, and humanities are the embodiment of all things beautiful and entertaining in the world, the enduring record of human achievement; and

WHEREAS, the arts, culture and humanities enhance every aspect of life in The City of Darien: improving our economy, enriching our civic life, driving tourism, and exerting a profound positive influence on the education of our children; and

WHEREAS, arts education research shows that the arts help to foster discipline, creativity, imagination, self-expression, and problem solving skills while also helping to develop a heightened appreciation of beauty and cross-cultural understanding; and

WHEREAS, we use the humanities -- history, literature, philosophy -- to explore what it means to be human; and

WHEREAS, the arts, culture, and humanities play a unique and intrinsically valuable role in the lives of our families in our county; and

WHEREAS, the month of October has been recognized as Arts DuPage Month by Arts DuPage and the arts and cultural organizations in all the communities within DuPage County.

NOW, THEREFORE, I, Kathleen Moesle Weaver, Mayor of the City of Darien, do hereby proclaim the Month of October 2018, as

Arts DuPage Month

and call upon all citizens to celebrate and promote the arts and culture in DuPage County.

In Witness Whereof, I Have Hereunto Set My Hand And Caused To Be Affixed The Seal Of The City Of Darien.

DONE, this fourth day of September Two-Thousand Eighteen.

Kathleen Moesle Weaver, Mayor

Attest:

JoAnne E. Ragona, City Clerk

REIMER & DOBROVOLNY PC

A PUBLIC SAFETY LAW FIRM

RICHARD J. REIMER
JAMES L. DOBROVOLNY
BRIAN J. LABARDI
EVAN J. HAIM
CHRIS W. POTTHOFF, JR.
JOHN A. GAW*
MARK S. MCQUEARY



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306 W. GREEN STREET
URBANA, ILLINOIS, 61801
217-344-2376

*LICENSED IN ILLINOIS AND INDIANA

August 3, 2018

Byron Vana, City Administrator
City of Darien
1702 Plainfield Rd.
Darien, IL 60561

By Certified Return Receipt Mail

Re: Darien Police Pension Fund-Annual Tax Levy Requirements

Dear City Administrator Vana:

Please be advised that the undersigned is legal counsel for the Darien Police Pension Fund. At the August 2, 2018 Pension Board meeting, the Pension Board Trustees discussed the annual tax levy/municipal contribution requirements for the Pension Fund for the upcoming tax year. As you are aware, the Pension Board either relies on an actuarial valuation performed by the Illinois Department of Insurance or an independent actuary employed by the Pension Board.

In this case, the Pension Board relied upon the Actuarial Valuation of Jason Franken, an independent actuary, for purposes of determining the "recommended levy". Mr. Franken's recommended levy for the upcoming tax year, in order to satisfy the annual requirements of the Darien Police Pension Fund, as required by §5/3-125 of the Pension Code, is \$1,714,350. A copy of Mr. Franken's Report is attached for your review.

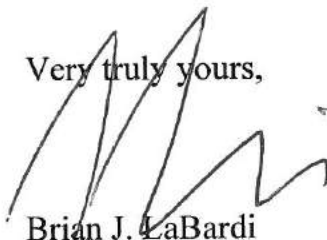
Accordingly, pursuant to §5/3-125 of the Pension Code, the Darien Police Pension Board is requesting that the City of Darien levy or contribute that amount for the upcoming tax year in order to satisfy the annual requirements of the Darien Police Pension Fund. In the event the City will not be levying or contributing this amount, please advise me.

Finally, the Pension Board wishes to draw your attention to §3-125.1 of the Pension Code and §4402.30 of the Illinois Administrative Code defining salary for pension purposes. Both those authorities refer to pensionable salary as being determined at least in part as that established by the municipality's appropriations ordinance. A similar conclusion was recently reached by the First District Appellate Court in *Village of*

Chicago Ridge v. Chicago Ridge Firefighters' Pension Bd. of Trustees, 2016 IL App (1st) 152089. In light of these authorities, the Pension Board requests the Village ensure the appropriate salaries attached to rank for officers covered by Article 3 of the Pension Code are properly reflected in a municipal appropriations ordinance.

Thank you for your anticipated cooperation and assistance in this matter. Please do not hesitate to contact the undersigned should you have any questions concerning this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Brian J. LaBardi', written over the typed name below.

Brian J. LaBardi

Enclosure

cc: Mr. Leonard Catalano, President
Mr. Anton Hruby, Secretary
Darien Police Pension Board

Mr. Michael Coren, Treasurer
Village of Darien

CITY OF DARIEN
POLICE PENSION FUND
ACTUARIAL VALUATION
AS OF MAY 1, 2018
CONTRIBUTIONS APPLICABLE TO THE
PLAN/FISCAL YEAR ENDING APRIL 30, 2020
GASB 67/68 DISCLOSURE INFORMATION
AS OF APRIL 30, 2018

July 2, 2018

Board of Trustees
City of Darien Police Pension Fund
1710 Plainfield Road
Darien, Illinois 60561

Re: Actuarial Valuation Report (including GASB Statements No. 67 and No. 68) – City of Darien Police Pension Fund

Dear Board:

We are pleased to present to the Board this report of the annual actuarial valuation of the City of Darien Police Pension Fund. Included are the related results for GASB Statements No. 67 and No. 68. The funding valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to develop the appropriate funding requirements for the applicable plan year. The calculation of the liability for GASB results was performed for the purpose of satisfying the requirements of GASB Statements No. 67 and No. 68. Use of the results for other purposes may not be applicable and produce significantly different results.

The valuations have been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, and reflects laws and regulations issued to date pursuant to the provisions of Article 3, Illinois Pension Code, as well as applicable federal laws and regulations. In our opinion, the assumptions used in this valuation, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience. Future actuarial measurements may differ significantly from the current measurements presented in this report for a variety of reasons including: changes in applicable laws, changes in plan provisions, changes in assumptions, or plan experience differing from expectations.

In conducting the valuation, we have relied on personnel, plan design, and asset information supplied by the Board, financial reports prepared by the custodian bank and the actuarial assumptions and methods described in the Actuarial Assumptions section of this report. While we cannot verify the accuracy of all this information, the supplied information was reviewed for consistency and reasonableness. As a result of this review, we have no reason to doubt the substantial accuracy of the information and believe that it has produced appropriate results. This information, along with any adjustments or modifications, is summarized in various sections of this report.

The total pension liability, net pension liability, and certain sensitivity information shown in the GASB results are based on an actuarial valuation performed as of the valuation date.

Certain schedules should include a 10-year history of information. As provided for in GASB Statements No. 67 and No. 68, this historical information is only presented for the years in which the information was measured. This conforms to the requirements of GASB Statements No. 67 and No. 68.

The undersigned is familiar with the immediate and long-term aspects of pension valuations and meets the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial

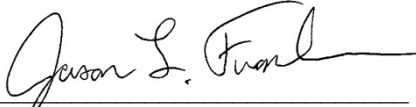
opinions contained herein. All of the sections of this report are considered an integral part of the actuarial opinions.

To our knowledge, no associate of Foster & Foster, Inc. working on valuations of the program has any direct financial interest or indirect material interest in the City of Darien, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the City of Darien Police Pension Fund. Thus, there is no relationship existing that might affect our capacity to prepare and certify this actuarial report.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact us at 630-620-0200.

Respectfully submitted,

Foster & Foster, Inc.

By: 

Jason L. Franken
Enrolled Actuary #17-6888

JLF/lke
Enclosures

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SUMMARY OF REPORT

The regular annual actuarial valuation of the City of Darien Police Pension Fund, performed as of May 1, 2018, has been completed and the results are presented in this Report. The contribution amounts set forth herein are applicable to the plan/fiscal year ended April 30, 2020.

The contribution requirements, compared with those set forth in the May 1, 2017 actuarial report, are as follows:

Valuation Date Applicable to Fiscal Year Ending	5/1/2018 <u>4/30/2020</u>	5/1/2017 <u>4/30/2019</u>
Total Recommended Contribution % of Projected Annual Payroll	\$2,027,891 64.1%	\$1,910,382 64.9%
Member Contributions (Est.) % of Projected Annual Payroll	313,541 9.9%	291,504 9.9%
City Recommended Contribution % of Projected Annual Payroll	1,714,350 54.2%	1,618,878 55.0%


As you can see, the Total Recommended Contribution, shows an increase when compared to the results determined in the May 1, 2017 actuarial valuation report. The increase is attributable to unfavorable experience realized by the plan during the year and the increase due to the payroll growth assumption, which naturally increases the payment on the amortization of the unfunded liability each year. This is partially offset by the change in plan assumptions.

This experience was the result of assets earning a 5.69% investment return (Actuarial basis) which fell short of the 7.00% assumption, and no retiree mortality. This was partially offset by favorable experience in the form of salary increases that were lower than assumed.

The balance of this Report presents additional details of the actuarial valuation and the general operation of the Fund. The undersigned would be pleased to meet with the Board of Trustees to discuss the Report and answer any pending questions concerning its contents.

Respectfully submitted,

FOSTER & FOSTER, INC.

By: 

Jason L. Franken, FSA, EA, MAAA

Plan Changes Since Prior Valuation

No plan changes have occurred since the prior valuation.

Actuarial Assumption/Method Changes Since Prior Valuation

Based on the results of the 2017 Department of Insurance experience study, the following assumption changes were made:

- Updated retirement, termination and disability rate tables.
- Updated assumed salary increase rates.
- Updated the percentage of disabilities assumed to be in the line of duty to 60%.
- Updated the percentage of deaths assumed to be in the line of duty to 10%.

Also, the assumed payroll growth rate was decreased from 4.50% to 3.50%.

There were no method changes since the prior valuation.

COMPARATIVE SUMMARY OF PRINCIPAL VALUATION RESULTS

	New Assump <u>5/1/2018</u>	Old Assump <u>5/1/2018</u>	<u>5/1/2017</u>
A. Participant Data			
Number Included			
Actives	32	32	30
Service Retirees	21	21	20
Beneficiaries	2	2	2
Disability Retirees	3	3	3
Terminated Vested	<u>12</u>	<u>12</u>	<u>13</u>
Total	70	70	68
Total Annual Payroll	\$3,163,883	\$3,163,883	\$2,941,511
Payroll Under Assumed Ret. Age	3,163,883	3,163,883	2,941,511
Annual Rate of Payments to:			
Service Retirees	1,869,443	1,869,443	1,751,896
Beneficiaries	84,753	84,753	84,753
Disability Retirees	148,936	148,936	146,934
Terminated Vested	62,338	62,338	62,338
B. Assets			
Actuarial Value	28,029,102	28,029,102	26,831,419
Market Value	27,497,602	27,497,602	26,028,563
C. Liabilities			
Present Value of Benefits			
Actives			
Retirement Benefits	18,861,571	19,211,128	18,553,891
Disability Benefits	1,424,682	1,798,443	1,676,591
Death Benefits	406,695	354,849	338,210
Vested Benefits	1,397,040	1,960,878	1,837,543
Service Retirees	28,409,022	28,409,022	26,865,202
Beneficiaries	884,122	884,122	899,458
Disability Retirees	1,929,966	1,929,966	1,915,792
Terminated Vested	<u>445,808</u>	<u>445,808</u>	<u>423,112</u>
Total	53,758,906	54,994,216	52,509,799

C. Liabilities - (Continued)	New Assump <u>5/1/2018</u>	Old Assump <u>5/1/2018</u>	<u>5/1/2017</u>
Present Value of Future Salaries	32,152,081	32,148,314	29,449,671
Present Value of Future Member Contributions	3,186,271	3,185,898	2,918,462
Normal Cost (Retirement)	498,543	534,379	513,411
Normal Cost (Disability)	78,505	102,153	95,088
Normal Cost (Death)	16,204	14,402	14,114
Normal Cost (Vesting)	<u>69,415</u>	<u>92,980</u>	<u>88,402</u>
Total Normal Cost	662,667	743,914	711,015
Present Value of Future Normal Costs	6,228,079	6,876,309	6,540,389
Accrued Liability (Retirement)	14,090,582	14,183,863	13,744,752
Accrued Liability (Disability)	612,255	778,832	746,064
Accrued Liability (Death)	261,603	232,267	219,569
Accrued Liability (Vesting)	897,469	1,254,027	1,155,461
Accrued Liability (Inactives)	<u>31,668,918</u>	<u>31,668,918</u>	<u>30,103,564</u>
Total Actuarial Accrued Liability	47,530,827	48,117,907	45,969,410
Unfunded Actuarial Accrued Liability (UAAL)	19,501,725	20,088,805	19,137,991
Funded Ratio (AVA / AL)	59.0%	58.3%	58.4%

	New Assump <u>5/1/2018</u>	Old Assump <u>5/1/2018</u>	<u>5/1/2017</u>
D. Actuarial Present Value of Accrued Benefits			
Vested Accrued Benefits			
Inactives	31,668,918	31,668,918	30,103,564
Actives	4,937,854	5,244,493	4,965,379
Member Contributions	<u>3,162,234</u>	<u>3,162,234</u>	<u>2,994,684</u>
Total	39,769,006	40,075,645	38,063,627
Non-vested Accrued Benefits	<u>871,209</u>	<u>929,367</u>	<u>1,036,485</u>
Total Present Value Accrued Benefits	40,640,215	41,005,012	39,100,112
Funded Ratio (MVA / PVAB)	67.7%	67.1%	66.6%
Increase (Decrease) in Present Value of Accrued Benefits Attributable to:			
Plan Amendments	0	0	
Assumption Changes	(364,797)	0	
New Accrued Benefits	0	1,284,481	
Benefits Paid	0	(2,045,013)	
Interest	0	2,665,432	
Other	<u>0</u>	<u>0</u>	
Total	(364,797)	1,904,900	

	New Assump	Old Assump	
Valuation Date	5/1/2018	5/1/2018	5/1/2017
Applicable to Fiscal Year Ending	<u>4/30/2020</u>	<u>4/30/2020</u>	<u>4/30/2019</u>

E. Pension Cost

Normal Cost ¹	\$709,054	\$795,988	\$760,786
% of Total Annual Payroll ¹	22.4	25.2	25.9
Administrative Expenses ¹	42,133	42,133	44,640
% of Total Annual Payroll ¹	1.3	1.3	1.5
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 23 years (as of 5/1/2018) ¹	1,276,704	1,197,361	1,104,956
% of Total Annual Payroll ¹	40.4	37.8	37.5
Total Recommended Contribution	2,027,891	2,035,482	1,910,382
% of Total Annual Payroll ¹	64.1	64.3	64.9
Expected Member Contributions ¹	313,541	313,541	291,504
% of Total Annual Payroll ¹	9.9	9.9	9.9
Expected City Contribution	1,714,350	1,721,941	1,618,878
% of Total Annual Payroll ¹	54.2	54.4	55.0

F. Past Contributions

Plan Years Ending:	<u>4/30/2018</u>
Total Recommended Contribution	1,751,535
City	1,456,052
Actual Contributions Made:	
Members (excluding buyback)	295,483
City	<u>1,468,691</u>
Total	1,764,174

G. Net Actuarial (Gain)/Loss 639,193

¹ Contributions developed as of 5/1/2018 displayed above have been adjusted to account for assumed interest.

H. Schedule Illustrating the Amortization of the Total Unfunded Actuarial Accrued Liability as of:

<u>Year</u>	<u>Projected Unfunded Accrued Liability</u>
2018	19,501,725
2019	19,590,142
2020	19,640,064
2025	19,150,266
2031	16,140,440
2036	10,379,993
2041	0

I. (i) 3 Year Comparison of Actual and Assumed Salary Increases

		<u>Actual</u>	<u>Assumed</u>
Year Ended	4/30/2018	4.27%	5.51%
Year Ended	4/30/2017	4.07%	5.50%
Year Ended	4/30/2016	7.68%	5.50%

(ii) 3 Year Comparison of Investment Return on Actuarial Value

		<u>Actual</u>	<u>Assumed</u>
Year Ended	4/30/2018	5.69%	7.00%
Year Ended	4/30/2017	5.74%	7.00%
Year Ended	4/30/2016	5.43%	7.00%

STATEMENT BY ENROLLED ACTUARY

This actuarial valuation was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of the Illinois Pension Code and adhere to the Actuarial Standards of Practice. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or recommended contribution rates have been taken into account in the valuation.



Jason L. Franken, FSA, EA, MAAA
Enrolled Actuary #17-6888

DEVELOPMENT OF MAY 1, 2018 AMORTIZATION PAYMENT

(1) Unfunded Actuarial Accrued Liability as of May 1, 2017	\$19,137,991
(2) Sponsor Normal Cost developed as of May 1, 2017	419,511
(3) Expected administrative expenses for the year ended April 30, 2018	41,720
(4) Expected interest on (1), (2) and (3)	1,370,485
(5) Sponsor contributions to the System during the year ended April 30, 2018	1,468,691
(6) Expected interest on (5)	51,404
(7) Expected Unfunded Actuarial Accrued Liability as of April 30, 2018, (1)+(2)+(3)+(4)-(5)-(6)	19,449,612
(8) Change to UAAL due to Assumption Change	(587,080)
(9) Change to UAAL due to Actuarial (Gain)/Loss	639,193
(10) Unfunded Accrued Liability as of May 1, 2018	19,501,725
(11) UAAL Subject to Amortization (100% AAL less Actuarial Assets)	19,501,725

<u>Date</u> <u>Established</u>	<u>Years</u> <u>Remaining</u>	<u>5/1/2018</u> <u>Amount</u>	<u>Amortization</u> <u>Amount</u>
5/1/2018	23	19,501,725	1,193,181

DETAILED ACTUARIAL (GAIN)/LOSS ANALYSIS

(1) Unfunded Actuarial Accrued Liability (UAAL) as of May 1, 2017	\$19,137,991
(2) Expected UAAL as of May 1, 2018	19,449,612
(3) Summary of Actuarial (Gain)/Loss, by component:	
Investment Return (Actuarial Asset Basis)	349,093
Salary Increases	(141,181)
Active Decrements	9,227
Inactive Mortality	190,296
Other	<u>231,758</u>
Change in UAAL due to (Gain)/Loss	639,193
Assumption Changes	<u>(587,080)</u>
(4) Actual UAAL as of May 1, 2018	\$19,501,725

RECONCILIATION OF CHANGES IN CONTRIBUTION REQUIREMENT

(1) Contribution Determined as of May 1, 2017	\$ 1,618,878
(2) Summary of Contribution Impact by component:	
Change in Normal Cost	35,202
Change in Assumed Administrative Expense	(2,507)
Investment Return (Actuarial Asset Basis)	20,807
Salary Increases	(8,415)
New Entrants	-
Active Decrements	550
Inactive Mortality	11,342
Data Corrections	-
Contributions (More) or Less than Recommended	(729)
Increase in Amortization Payment Due to Payroll Growth Assumption	49,723
Change in Expected Member Contributions	(22,037)
Assumption Change	(7,591)
Other	<u>19,127</u>
Total Change in Contribution	95,472
(3) Contribution Determined as of May 1, 2018	\$1,714,350

STATUTORY MINIMUM REQUIRED CONTRIBUTION

Contribution requirements shown on this page are calculated according to statutory minimum funding requirements of the Illinois Pension Code. We do not believe this method is sufficient to fund future benefits; as such, we recommend funding according to the contributions developed in Section E of this report.

	New Assump	Old Assump	
Valuation Date	5/1/2018	5/1/2018	5/1/2017
Applicable to Fiscal Year Ending	<u>4/30/2020</u>	<u>4/30/2020</u>	<u>4/30/2019</u>
Actuarial Accrued Liability (PUC)	45,725,891	46,655,111	44,534,921
Actuarial Value of Assets	<u>28,029,102</u>	<u>28,029,102</u>	<u>26,831,419</u>
Unfunded Actuarial Accrued Liability (UAAL)	17,696,789	18,626,009	17,703,502
UAAL Subject to Amortization	13,124,200	13,960,498	13,250,010
Normal Cost ¹	\$834,563	\$893,403	\$838,494
% of Total Annual Payroll ¹	26.4	28.2	28.5
Administrative Expenses ¹	42,133	42,133	44,640
% of Total Annual Payroll ¹	1.3	1.3	1.5
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 22 years (as of 5/1/2018) ¹	885,250	860,590	789,746
% of Total Annual Payroll ¹	28.0	27.3	26.9
Total Required Contribution	1,761,946	1,796,126	1,672,880
% of Total Annual Payroll ¹	55.7	56.8	56.9
Expected Member Contributions ¹	313,541	313,541	291,504
% of Total Annual Payroll ¹	9.9	9.9	9.9
Expected City Contribution	1,448,405	1,482,585	1,381,376
% of Total Annual Payroll ¹	45.8	46.9	47.0

Assumptions and Methods:

Actuarial Cost Method	Projected Unit Credit
Amortization Method	90% Funding by 2040

All other assumptions and methods are as described in the Actuarial Assumptions and Methods section.

¹ Contributions developed as of 5/1/2018 displayed above have been adjusted to account for assumed interest.

PROJECTION OF BENEFIT PAYMENTS

Year	Payments for Current Actives	Payments for Current Inactives	Total Payments
2018	101,897	2,115,052	2,216,949
2019	183,441	2,139,546	2,322,987
2020	253,442	2,186,423	2,439,865
2021	330,933	2,237,830	2,568,763
2022	409,630	2,284,634	2,694,264
2023	491,011	2,348,215	2,839,226
2024	606,486	2,392,023	2,998,509
2025	707,667	2,448,658	3,156,325
2026	819,930	2,488,028	3,307,958
2027	922,162	2,523,862	3,446,024
2028	1,018,241	2,555,517	3,573,758
2029	1,183,451	2,582,356	3,765,807
2030	1,341,320	2,603,620	3,944,940
2031	1,514,477	2,618,532	4,133,009
2032	1,685,404	2,626,287	4,311,691
2033	1,865,363	2,626,113	4,491,476
2034	2,073,220	2,617,129	4,690,349
2035	2,250,815	2,615,245	4,866,060
2036	2,451,721	2,587,360	5,039,081
2037	2,625,628	2,549,277	5,174,905
2038	2,811,781	2,500,885	5,312,666
2039	2,977,005	2,466,891	5,443,896
2040	3,131,321	2,398,608	5,529,929
2041	3,279,487	2,320,486	5,599,973
2042	3,425,248	2,233,137	5,658,385
2043	3,571,583	2,137,129	5,708,712
2044	3,670,082	2,033,439	5,703,521
2045	3,766,326	1,923,059	5,689,385
2046	3,841,205	1,807,004	5,648,209
2047	3,928,238	1,686,483	5,614,721
2048	3,988,243	1,562,810	5,551,053
2049	4,054,289	1,437,281	5,491,570
2050	4,094,910	1,311,254	5,406,164
2051	4,124,319	1,186,177	5,310,496
2052	4,142,357	1,063,671	5,206,028
2053	4,150,082	945,440	5,095,522
2054	4,146,301	833,028	4,979,329
2055	4,132,512	727,792	4,860,304
2056	4,107,642	630,724	4,738,366
2057	4,071,847	542,254	4,614,101

ACTUARIAL ASSUMPTIONS AND METHODS

Interest Rate	7.00% per year compounded annually, net of investment related expenses.
Mortality Rate	<p>Healthy Lives: RP-2000 Combined Healthy mortality table, sex distinct with a blue collar adjustment, projected to the valuation date with Scale BB. 10% of active deaths are assumed to be in the line of duty.</p> <p>Disabled Lives: RP-2000 Disabled Retiree mortality table, sex distinct, projected to the valuation date with Scale BB.</p> <p>The mortality assumptions sufficiently accommodate future mortality improvements.</p>
Retirement Age	See table on following page. This is based on an experience study performed in 2017.
Disability Rate	See table on following page. 60% of the disabilities are assumed to be in the line of duty. This is based on an experience study performed in 2017.
Termination Rate	See table on following page. This is based on an experience study performed in 2017.
Salary Increases	Graded schedule based on service. This is based on an experience study performed in 2017.

Salary Scale	
Service	Rate
0	11.00%
1	10.75%
2	8.75%
3	8.50%
4	7.00%
5	6.25%
6	5.25%
7	4.25%
8 - 16	4.00%
17 - 32	3.75%
32+	3.50%

Inflation 2.50%.

Cost-of-Living Adjustment	<u>Tier 1</u> : 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.
	<u>Tier 2</u> : 1.25% per year after the later of attainment of age 60 or first anniversary of retirement.
Marital Status	80% of Members are assumed to be married.
Spouse's Age	Males are assumed to be three years older than females.
Funding Method	Entry Age Normal Cost Method.
Actuarial Asset Method	Investment gains and losses are smoothed over a 5-year period.
Funding Policy Amortization Method	The UAAL is amortized according to a Level Percentage of Payroll method over a period ending in 2041.
Payroll Growth	3.50% per year.
Administrative Expenses	Expenses paid out of the fund other than investment-related expenses are assumed to be equal to those paid in the previous year.

Decrement Tables

<u>% Terminating During the Year</u>		<u>% Becoming Disabled During the Year</u>		<u>% Retiring During the Year (Tier 1)</u>		<u>% Retiring During the Year (Tier 2)</u>	
<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>
20	14.00%	20	0.000%	50 - 51	15%	50 - 54	5%
25	10.40%	25	0.030%	52 - 54	20%	55	40%
30	5.60%	30	0.140%	55 - 64	25%	56 - 64	25%
35	3.10%	35	0.260%	65 - 69	40%	65 - 69	40%
40	1.90%	40	0.420%	70+	100%	70+	100%
45	1.50%	45	0.590%				
50	1.50%	50	0.710%				
56+	0.00%	55	0.900%				
		60	1.150%				

GLOSSARY

Total Annual Payroll is the projected annual rate of pay for the fiscal year following the valuation date of all covered members.

Present Value of Benefits is the single sum value on the valuation date of all future benefits to be paid to current Members, Retirees, Beneficiaries, Disability Retirees and Vested Terminations.

Normal (Current Year's) Cost is the current year's cost for benefits yet to be funded.

Unfunded Accrued Liability is a liability which arises when a pension plan is initially established or improved and such establishment or improvement is applicable to all years of past service.

Total Recommended Contribution is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over a period ending in 2041. The recommended amount is adjusted for interest according to the timing of contributions during the year.

Entry Age Normal Cost Method - Under this method, the normal cost is the sum of the individual normal costs for all active participants. For an active participant, the normal cost is the participant's normal cost accrual rate, multiplied by the participant's current compensation.

- (a) The normal cost accrual rate equals:
 - (i) the present value of future benefits for the participant, determined as of the participant's entry age, divided by
 - (ii) the present value of the compensation expected to be paid to the participant for each year of the participant's anticipated future service, determined as of the participant's entry age.
- (b) In calculating the present value of future compensation, the salary scale is applied both retrospectively and prospectively to estimate compensation in years prior to and subsequent to the valuation year based on the compensation used for the valuation.
- (c) The accrued liability is the sum of the individual accrued liabilities for all participants and beneficiaries. A participant's accrued liability equals the present value, at the participant's attained age, of future benefits less the present value at the participant's attained age of the individual normal costs payable in the future. A beneficiary's accrued liability equals the present value, at the beneficiary's attained age, of future benefits. The unfunded accrued liability equals the total accrued liability less the actuarial value of assets.
- (d) Under this method, the entry age used for each active participant is the participant's age at the time he or she would have commenced participation if the plan had always been in existence under current terms, or the age as of which he or she first earns service credits for purposes of benefit accrual under the current terms of the plan.

STATEMENT OF FIDUCIARY NET POSITION
April 30, 2018

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Checking Account	15,102
Money Market	259,689
Total Cash and Equivalents	274,791
Receivables:	
Prepays	530
Accrued Past Due Interest	109,187
Total Receivable	109,717
Investments:	
Municipal Obligations	1,031,518
Corporate Bonds	3,620,883
U.S. Gov't and Agency Obligations	6,913,774
Stocks	1,830,955
Mutual Funds	13,729,197
Total Investments	27,126,327
Other Assets	0
Total Assets	27,510,835
<u>LIABILITIES</u>	
Liabilities:	
Payable:	
Expenses	13,233
Total Liabilities	13,233
Net Assets:	
Active and Retired Members' Equity	27,497,602
NET POSITION RESTRICTED FOR PENSIONS	27,497,602
TOTAL LIABILITIES AND NET ASSETS	27,510,835

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
 FOR THE YEAR ENDED April 30, 2018
 Market Value Basis

ADDITIONS

Contributions:

Member	295,483	
City	1,468,691	

Total Contributions		1,764,174
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Investment Income:

Miscellaneous Income	1,784	
Net Realized Gain (Loss)	(475,649)	
Unrealized Gain (Loss)	1,300,106	
Net Increase in Fair Value of Investments		826,241
Interest & Dividends		1,045,757
Less Investment Expense ¹		(82,743)

Net Investment Income		1,789,255
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Total Additions		3,553,429
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DEDUCTIONS

Distributions to Members:

Benefit Payments	2,038,121	
Refund of Contributions/Transfers	6,892	

Total Distributions		2,045,013
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Administrative Expenses		39,377
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Total Deductions		2,084,390
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Net Increase in Net Position		1,469,039
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NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year		26,028,563
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End of the Year		27,497,602
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¹ Investment Related expenses include investment advisory, custodial and performance monitoring fees.

ACTUARIAL ASSET VALUATION

April 30, 2018

Actuarial Assets for funding purposes are developed by recognizing the total actuarial investment gain or loss for each Plan Year over a five year period. In the first year, 20% of the gain or loss is recognized. In the second year 40%, in the third year 60%, in the fourth year 80%, and in the fifth year 100% of the gain or loss is recognized. The actuarial investment gain or loss is defined as the actual return on investments minus the actuarial assumed investment return. Actuarial Assets shall not be less than 80% nor greater than 120% of the Market Value of Assets.

Plan Year Ending	Gain/(Loss)	Gains/(Losses) Not Yet Recognized				
		Amounts Not Yet Recognized by Valuation Year				
		2018	2019	2020	2021	2022
4/30/2015	(2,105)	(421)	0	0	0	0
4/30/2016	(1,725,988)	(690,395)	(345,198)	0	0	0
4/30/2017	294,244	176,546	117,698	58,849	0	0
4/30/2018	(21,537)	(17,230)	(12,922)	(8,615)	(4,307)	0
Total		(531,500)	(240,422)	50,234	(4,307)	0

Development of Investment Gain/Loss

Market Value of Assets, 4/30/2017	26,028,563
Contributions Less Benefit Payments & Administrative Expenses	(320,216)
Expected Investment Earnings ¹	1,810,792
Actual Net Investment Earnings	<u>1,789,255</u>
2018 Actuarial Investment Gain/(Loss)	(21,537)

¹ Expected Investment Earnings = 7.00% x (26,028,563 + 0.5 x -320,216)

Development of Actuarial Value of Assets

Market Value of Assets, 4/30/2018	27,497,602
(Gains)/Losses Not Yet Recognized	<u>531,500</u>
Actuarial Value of Assets, 4/30/2018	28,029,102
(A) 4/30/2017 Actuarial Assets:	26,831,419
(I) Net Investment Income:	
1. Interest and Dividends	1,047,541
2. Realized Gains (Losses)	(475,649)
3. Change in Actuarial Value	1,028,750
4. Investment Expenses	<u>(82,743)</u>
Total	1,517,899
(B) 4/30/2018 Actuarial Assets:	28,029,102
Actuarial Asset Rate of Return = (2 x I) / (A + B - I):	5.69%
Market Value of Assets Rate of Return:	6.91%
4/30/2018 Limited Actuarial Assets:	28,029,102
Actuarial Gain/(Loss) due to Investment Return (Actuarial Asset Basis)	(349,093)

CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
 April 30, 2018
 Actuarial Asset Basis

INCOME		
Contributions:		
Member	295,483	
City	1,468,691	
Total Contributions		1,764,174
Earnings from Investments		
Interest & Dividends	1,045,757	
Miscellaneous Income	1,784	
Net Realized Gain (Loss)	(475,649)	
Change in Actuarial Value	1,028,750	
Total Earnings and Investment Gains		1,600,642
EXPENSES		
Administrative Expenses:		
Investment Related ¹ =	82,743	
Other	39,377	
Total Administrative Expenses		122,120
Distributions to Members:		
Benefit Payments	2,038,121	
Refund of Contributions/Transfers	6,892	
Total Distributions		2,045,013
Change in Net Assets for the Year		1,197,683
Net Assets Beginning of the Year		26,831,419
Net Assets End of the Year ²		28,029,102

¹ Investment Related expenses include investment advisory, custodial and performance monitoring fees.

² Net Assets may be limited for actuarial consideration.

STATISTICAL DATA ¹

	<u>5/1/2015</u>	<u>5/1/2016</u>	<u>5/1/2017</u>	<u>5/1/2018</u>
<u>Actives - Tier 1</u>				
Number	N/A	26	24	23
Average Current Age	N/A	42.3	42.4	43.0
Average Age at Employment	N/A	25.9	25.6	25.6
Average Past Service	N/A	16.4	16.8	17.4
Average Annual Salary	N/A	\$101,832	\$104,501	\$108,450
<u>Actives - Tier 2</u>				
Number	N/A	6	6	9
Average Current Age	N/A	28.9	30.5	31.7
Average Age at Employment	N/A	27.9	28.7	29.9
Average Past Service	N/A	1.0	1.8	1.8
Average Annual Salary	N/A	\$67,759	\$72,248	\$74,392
<u>Service Retirees</u>				
Number	17	18	20	21
Average Current Age	N/A	62.9	62.9	63.4
Average Annual Benefit	\$83,729	\$86,082	\$87,595	\$89,021
<u>Beneficiaries</u>				
Number	3	2	2	2
Average Current Age	N/A	61.9	62.9	63.9
Average Annual Benefit	\$48,483	\$42,377	\$42,377	\$42,377
<u>Disability Retirees</u>				
Number	3	3	3	3
Average Current Age	N/A	60.8	61.8	62.8
Average Annual Benefit	\$47,644	\$48,311	\$48,978	\$49,645
<u>Terminated Vested</u>				
Number	2	10	13	12
Average Current Age	N/A	38.0	37.0	37.7
Average Annual Benefit	\$17,805	\$20,779	\$20,779	\$20,779 ²

¹ Foster & Foster does not have enough historical data to include complete data prior to 5/1/2016. We will add historical data going forward.

² Average Annual Benefit for Terminated Vested members reflects the benefit for members entitled to a future annual benefit from the plan. Nine of the terminated vested members for the 5/1/2017 valuation are due accumulated contributions only.

AGE AND SERVICE DISTRIBUTION

PAST SERVICE

AGE	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30+	Total
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	1	0	0	0	0	0	0	0	0	0	0	1
25 - 29	0	0	1	0	0	0	0	0	0	0	0	1
30 - 34	1	0	0	0	3	1	0	0	0	0	0	5
35 - 39	2	0	1	0	0	3	3	3	0	0	0	12
40 - 44	0	0	0	0	0	0	0	5	1	0	0	6
45 - 49	0	0	0	0	0	0	0	1	2	0	0	3
50 - 54	0	0	0	0	0	0	0	0	0	0	1	1
55 - 59	0	0	0	0	0	0	0	0	0	2	0	2
60 - 64	0	0	0	0	0	0	0	0	0	0	1	1
65+	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	0	2	0	3	4	3	9	3	2	2	32

VALUATION PARTICIPANT RECONCILIATION

1. Active lives

a. Number in prior valuation 5/1/2017	30
b. Terminations	
i. Vested (partial or full) with deferred benefits	(1)
ii. Non-vested or full lump sum distribution received	0
iii. Transferred service to other fund	0
c. Deaths	
i. Beneficiary receiving benefits	0
ii. No future benefits payable	0
d. Disabled	0
e. Retired	<u>(1)</u>
f. Continuing participants	28
g. New entrants	<u>4</u>
h. Total active life participants in valuation	32

2. Non-Active lives (including beneficiaries receiving benefits)

	Service Retirees, Vested Receiving <u>Benefits</u>	Receiving Death <u>Benefits</u>	Receiving Disability <u>Benefits</u>	Vested <u>Deferred</u>	<u>Total</u>
a. Number prior valuation	20	2	3	13	38
Retired	1	0	0	0	1
Vested Deferred	0	0	0	1	1
Death, With Survivor	0	0	0	0	0
Death, No Survivor	0	0	0	0	0
Disabled	0	0	0	0	0
Refund of Contributions	0	0	0	(2)	(2)
Rehires	0	0	0	0	0
Expired Annuities	0	0	0	0	0
Data Corrections	0	0	0	0	0
Hired/Termed in Same Year	0	0	0	0	0
b. Number current valuation	21	2	3	12	38

SUMMARY OF CURRENT PLAN

Article 3 Pension Fund

The Plan is established and administered as prescribed by “Article 3. Police Pension Fund – Municipalities 500,000 and Under” of the Illinois Pension Code.

Plan Administration

The Plan is administered by a Board of Trustees comprised of:

- a) Two members appointed by the Municipality,
- b) Two active Members of the Police Department elected by the Membership, and
- c) One retired Member of the Police Department elected by the Membership.

Credited Service

Complete years of service as a sworn police officer employed by the Municipality.

Normal Retirement

Date

Tier 1: Age 50 and 20 years of Credited Service.

Tier 2: Age 55 with 10 years of Credited Service.

Benefit

Tier 1: 50% of annual salary attached to rank on last day of service plus 2.50% of annual salary for each year of service over 20 years, up to a maximum of 75% of salary. The minimum monthly benefit is \$1,000 per month.

Tier 2: 2.50% per year of service times the average salary for the eight consecutive years prior to retirement times the number of years of service, up to a maximum of 75% of average salary. The minimum monthly benefit is \$1,000 per month.

Form of Benefit

Tier 1: For married retirees, an annuity payable for the life of the Member; upon the death of the member, 100% of the Member’s benefit payable to the spouse until death. For unmarried retirees, the normal form is a Single Life Annuity.

Tier 2: Same as above, but with 66 2/3% of benefit continued to spouse.

Early Retirement

Date

Tier 1: Age 60 and 8 years of Credited Service.

Tier 2: Age 50 with 10 years of Credited Service.

Benefit

Tier 1: Normal Retirement benefit with no minimum.

Tier 2: Normal Retirement benefit, reduced 6% each year before age 55, with no minimum benefit.

Form of Benefit

Same as Normal Retirement.

Disability Benefit

Eligibility Total and permanent as determined by the Board of Trustees.

Benefit Amount A maximum of:

- a.) 65% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension that the Member is entitled to receive if he or she retired immediately.

For non-service connected disabilities, a benefit of 50% of salary attached to rank held by Member on last day of service.

Cost-of-Living Adjustment

Tier 1:

Retirees: An annual increase equal to 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.

Disabled Retirees: An annual increase equal to 3.00% per year of the original benefit amount beginning at age 60. Those that become disabled prior to age 60 receive an increase of 3.00% of the original benefit amount for each year since benefit commencement upon reaching age 60.

Tier 2: An annual increase each January 1 equal to 3.00% per year or one-half of the annual unadjusted percentage increase in the consumer price index-u for the 12 months ending with the September preceding each November 1, whichever is less, of the original pension after the attainment of age 60 or first anniversary of pension start date whichever is later.

Pre-Retirement Death Benefit

Service Incurred 100% of salary attached to rank held by Member on last day of service.

Non-Service Incurred A maximum of:

- a.) 50% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension earned by the deceased Member at the time of death, regardless of whether death occurs before or after age 50.

For non-service deaths with less than 10 years of service, a refund of member contributions is provided.

Vesting (Termination)

Vesting Service Requirement	Tier 1: 8 years. Tier 2: 10 years.
Non-Vested Benefit	Refund of Member Contributions.
Vested Benefit	Either the termination benefit, payable upon reaching age 60 (55 for Tier 2), provided contributions are not withdrawn, or a refund of member contributions. The termination benefit is 2.50% of annual salary held in the year prior to termination (8-year final average salary for Tier 2) times creditable service.

Contributions

Employee	9.91% of Salary.
Municipality	Remaining amount necessary for payment of Normal (current year's) Cost and amortization of the accrued past service liability.

STATEMENT OF FIDUCIARY NET POSITION
April 30, 2018

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Checking Account	15,102
Money Market	259,689
Total Cash and Equivalents	274,791
Receivables:	
Prepays	530
Accrued Past Due Interest	109,187
Total Receivable	109,717
Investments:	
Municipal Obligations	1,031,518
Corporate Bonds	3,620,883
U.S. Gov't and Agency Obligations	6,913,774
Stocks	1,830,955
Mutual Funds	13,729,197
Total Investments	27,126,327
Other Assets	0
Total Assets	27,510,835
<u>LIABILITIES</u>	
Liabilities:	
Payable:	
Expenses	13,233
Total Liabilities	13,233
Net Assets:	
Active and Retired Members' Equity	27,497,602
NET POSITION RESTRICTED FOR PENSIONS	27,497,602
TOTAL LIABILITIES AND NET ASSETS	27,510,835

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEAR ENDED April 30, 2018
Market Value Basis

ADDITIONS

Contributions:

Member	295,483
City	1,468,691

Total Contributions	1,764,174
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Investment Income:

Miscellaneous Income	1,784	
Net Realized Gain (Loss)	(475,649)	
Unrealized Gain (Loss)	1,300,106	
Net Increase in Fair Value of Investments		826,241
Interest & Dividends		1,045,757
Less Investment Expense ¹		(82,743)

Net Investment Income	1,789,255
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Total Additions	3,553,429
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DEDUCTIONS

Distributions to Members:

Benefit Payments	2,038,121
Refund of Contributions/Transfers	6,892

Total Distributions	2,045,013
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Administrative Expenses	39,377
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Total Deductions	2,084,390
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Net Increase in Net Position	1,469,039
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NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year	26,028,563
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End of the Year	27,497,602
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¹ Investment Related expenses include investment advisory, custodial and performance monitoring fees.

NOTES TO THE FINANCIAL STATEMENTS

(For the Year Ended April 30, 2018)

Plan Description

Plan Administration

The Plan is a single employer defined benefit pension plan administered by a Board of Trustees comprised of:

- a.) Two members appointed by the City,
- b.) Two active Members of the Police Department elected by the Membership, and
- c.) One retired Member of the Police Department elected by the Membership.

Plan Membership as of May 1, 2018:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	26
Inactive Plan Members Entitled to but Not Yet Receiving Benefits	12
Active Plan Members	32
	70
	70

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

Normal Retirement:

Date Tier 1: Age 50 and 20 years of Credited Service.

Date Tier 2: Age 55 with 10 years of Credited Service.

Benefit Tier 1: 50% of annual salary attached to rank on last day of service plus 2.50% of annual salary for each year of service over 20 years, up to a maximum of 75% of salary. The minimum monthly benefit is \$1,000 per month.

Benefit Tier 2: 2.50% per year of service times the average salary for the eight consecutive years prior to retirement times the number of years of service, up to a maximum of 75% of average salary. The minimum monthly benefit is \$1,000 per month.

Early Retirement:

Date Tier 1: Age 60 and 8 years of Credited Service.

Date Tier 2: Age 50 with 10 years of Credited Service.

Benefit Tier 1: Normal Retirement benefit with no minimum.

Benefit Tier 2: Normal Retirement benefit, reduced 6% each year before age 55, with no minimum benefit.

Disability:

Eligibility: Total and permanent as determined by the Board of Trustees.

Benefit Amount: A maximum of:

- a.) 65% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension that the Member is entitled to receive if he or she retired immediately.

For non-service connected disabilities, a benefit of 50% of salary attached to rank held by Member on last day of service.

Cost-of-Living Adjustments:

Tier 1: Retirees - An annual increase equal to 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.

Tier 1: Disabled Retirees - An annual increase equal to 3.00% per year of the original benefit amount beginning at age 60. Those that become disabled prior to age 60 receive an increase of 3.00% of the original benefit amount for each year since benefit commencement upon reaching age 60.

Tier 2: An annual increase each January 1 equal to 3.00% per year or one-half of the annual unadjusted percentage increase in the consumer price index-u for the 12 months ending with the September preceding each November 1, whichever is less, of the original pension after the attainment of age 60 or first anniversary of pension start date whichever is later.

Pre-Retirement Death Benefit:

Service Incurred: 100% of salary attached to rank held by Member on last day of service.

Non-Service Incurred: A maximum of:

- a.) 50% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension earned by the deceased Member at the time of death, regardless of whether death occurs before or after age 50.

For non-service deaths with less than 10 years of service, a refund of member contributions is provided.

Vesting (Termination):

Vesting Service Requirement: Tier 1: 8 years.

Vesting Service Requirement: Tier 2: 10 years.

Non-Vested Benefit: Refund of Member Contributions.

Vested Benefit: Either the termination benefit, payable upon reaching age 60, provided contributions are not withdrawn, or a refund of member contributions. The termination benefit is 2.50% of annual salary held in the year prior to termination (8-year final average salary for Tier 2) times creditable service.

Contributions

Employee: 9.91% of Salary.

City: Remaining amount necessary for payment of Normal (current year's) Cost and amortization of the accrued past service liability.

Investments

Investment Policy:

The following was the Board's adopted asset allocation policy as of April 30, 2018:

Asset Class	Target Allocation
Large Cap Domestic Equity	35.75%
Mid Cap Domestic Equity	5.50%
Small Cap Domestic Equity	5.50%
International Equity	8.25%
Fixed Income	45.00%
Total	100.00%

Concentrations:

The Plan did not hold investments in any one organization that represent 5 percent or more of the Pension Plan's Fiduciary Net Position.

Rate of Return:

For the year ended April 30, 2018 the annual money-weighted rate of return on Pension Plan investments, net of pension plan investment expense, was 6.99 percent.

The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

NET PENSION LIABILITY OF THE SPONSOR

The components of the Net Pension Liability of the sponsor on April 30, 2018 were as follows:

Total Pension Liability	\$ 47,101,075
Plan Fiduciary Net Position	<u>\$ (27,497,602)</u>
Sponsor's Net Pension Liability	<u>\$ 19,603,473</u>
Plan Fiduciary Net Position as a percentage of Total Pension Liability	58.38%

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of May 1, 2018 using the following actuarial assumptions:

Inflation	2.50%	
Salary Increases	Service based	
Discount Rate	7.00%	
Investment Rate of Return	7.00%	

Mortality Rate Healthy Lives:

RP-2000 Combined Healthy mortality table, sex distinct with a blue collar adjustment, projected to the valuation date with Scale BB. 10% of active deaths are assumed to be in the line of duty.

Mortality Rate Disabled Lives:

RP-2000 Disabled Retiree mortality table, sex distinct, projected to the valuation date with Scale BB.

The other significant assumptions are based upon the most recent actuarial experience study performed by the State of Illinois Department of Insurance dated October 5, 2017.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of geometric real rates of return for each major asset class included in the Pension Plan's target asset allocation as of April 30, 2018 are summarized in the following table:

Asset Class	Long Term Expected Real Rate of Return
Large Cap Domestic Equity	6.6%
Mid Cap Domestic Equity	8.7%
Small Cap Domestic Equity	8.5%
International Equity	6.4%
Fixed Income	1.4%

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Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.00 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the Long-Term Expected Rate of Return on Pension Plan investments was applied to all periods of projected benefit payments to determine the Total Pension Liability.

For purpose of this valuation, the expected rate of return on pension plan investments is 7.00 percent; the municipal bond rate is 3.97 percent (based on the weekly rate closest to but not later than the measurement date of the Bond Buyer 20-Bond Index as published by the The Bond Buyer); and the resulting single discount rate is 7.00 percent.

	1% Decrease 6.00%	Current Discount Rate 7.00%	1% Increase 8.00%
Sponsor's Net Pension Liability	\$ 26,261,408	\$ 19,603,473	\$ 14,146,211

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Fiscal Years

	04/30/2018	04/30/2017
Total Pension Liability		
Service Cost	730,502	797,055
Interest	3,168,022	2,970,623
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	274,605	202,447
Changes of Assumptions	(576,498)	798,335
Contributions - Buy Back	-	106,677
Benefit Payments, Including Refunds of Employee Contributions	(2,045,013)	(1,932,191)
Net Change in Total Pension Liability	1,551,618	2,942,946
Total Pension Liability - Beginning	45,549,457	42,606,511
Total Pension Liability - Ending (a)	<u>\$ 47,101,075</u>	<u>\$ 45,549,457</u>
Plan Fiduciary Net Position		
Contributions - Employer	1,468,691	1,421,243
Contributions - Employee	295,483	313,126
Contributions - Buy Back	-	106,677
Net Investment Income	1,789,255	1,982,144
Benefit Payments, Including Refunds of Employee Contributions	(2,045,013)	(1,932,191)
Administrative Expense	(39,377)	(41,720)
Net Change in Plan Fiduciary Net Position	1,469,039	1,849,279
Plan Fiduciary Net Position - Beginning	26,028,563	24,179,284
Plan Fiduciary Net Position - Ending (b)	<u>\$ 27,497,602</u>	<u>\$ 26,028,563</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 19,603,473</u>	<u>\$ 19,520,894</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	58.38%	57.14%
Covered Employee Payroll	\$ 3,163,883	\$ 3,159,697
Net Pension Liability as a Percentage of covered Employee Payroll	619.60%	617.81%

Notes to Schedule:

Changes of assumptions:

For measurement date 04/30/2018, based on the results of the 2017 Department of Insurance experience study, the following assumption changes were made:

- Updated retirement, termination and disability rate tables.
- Updated assumed salary increase rates.
- Updated the percentage of disabilities assumed to be in the line of duty to 60%.
- Updated the percentage of deaths assumed to be in the line of duty to 10%.

For measurement date 04/30/2017, amounts reported as changes of assumptions resulted from the following changes:

- The mortality assumptions were updated to include a projection to the valuation date using Scale BB.
- The salary scale assumption was updated from a flat 5.50% to a service-graded schedule.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Fiscal Years

	04/30/2016	04/30/2015 ¹
Total Pension Liability		
Service Cost	754,785	688,515
Interest	2,938,342	2,599,067
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	(1,424,513)	(388,710)
Changes of Assumptions	-	2,888,856
Contributions - Buy Back	-	-
Benefit Payments, Including Refunds of Employee Contributions	(1,767,269)	(1,624,179)
Net Change in Total Pension Liability	501,345	4,163,549
Total Pension Liability - Beginning	42,105,166	37,941,617
Total Pension Liability - Ending (a)	<u>\$ 42,606,511</u>	<u>\$ 42,105,166</u>
Plan Fiduciary Net Position		
Contributions - Employer	1,209,939	1,205,560
Contributions - Employee	308,852	302,059
Contributions - Buy Back	-	-
Net Investment Income	(21,989)	1,604,933
Benefit Payments, Including Refunds of Employee Contributions	(1,767,269)	(1,624,179)
Administrative Expense	(34,650)	(39,881)
Net Change in Plan Fiduciary Net Position	(305,117)	1,448,492
Plan Fiduciary Net Position - Beginning	24,484,401	23,035,909
Plan Fiduciary Net Position - Ending (b)	<u>\$ 24,179,284</u>	<u>\$ 24,484,401</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 18,427,227</u>	<u>\$ 17,620,765</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	56.75%	58.15%
Covered Employee Payroll	\$ 3,054,195	\$ 2,916,963
Net Pension Liability as a Percentage of covered Employee Payroll	603.34%	604.08%

Notes to Schedule:

¹ The 2015 results were provided by the prior actuary, Timorthy W. Sharpe, Actuary, Geneva, IL.

SCHEDULE OF CONTRIBUTIONS

Last 10 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Employee Payroll	Contributions as a percentage of Covered Employee Payroll
04/30/2018	\$ 1,456,052	\$ 1,468,691	\$ (12,639)	\$ 3,163,883	46.42%
04/30/2017	\$ 1,412,529	\$ 1,421,243	\$ (8,714)	\$ 3,159,697	44.98%
04/30/2016	\$ 1,200,005	\$ 1,209,939	\$ (9,934)	\$ 3,054,195	39.62%
04/30/2015 ¹	\$ 1,196,027	\$ 1,205,560	\$ (9,533)	\$ 2,916,963	41.33%

¹ The 2015 results were provided by the prior actuary, Timothy W. Sharpe, Actuary, Geneva, IL.

Notes to Schedule:

Valuation Date: 05/01/2016

Actuarially Determined Contribution is calculated as of May 1, two years prior year in which contributions are reported.

Methods and assumptions used to determine contribution rates:

Mortality Rate:	RP-2000 Combined Healthy Mortality with a blue collar adjustment and no projection.
Disabled Mortality Rate	RP-2000 Disabled Retiree Mortality with no projection.
Interest Rate:	7.00% per year compounded annually, net of investment related expenses. This is supported by the target asset class allocation and expected returns.
Retirement Age:	See table on following page. This is based on an experience study performed in 2012.
Disability Rate:	See table on following page. 70% of the disabilities are assumed to be in the line of duty. This is based on an experience study performed in 2012.
Termination Rate:	See table on following page. This is based on an experience study performed in 2012.
Salary Increase:	5.50% per year.
Payroll Growth:	5.50% per year.
Inflation:	2.50% per year.
Cost-of-Living Adjustment:	Tier 1: 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55. Tier 2: 1.25% per year after the later of attainment of age 60 or first anniversary of retirement.
Marital Status:	80% of Members are assumed to be married.
Spouse's Age:	Males are assumed to be three years older than females.
Funding Method:	Entry Age Normal Cost Method.
Actuarial Asset Method:	Investment gains and losses are smoothed over a 5-year period.
Funding Policy Amortization Method:	100% of the UAAL is amortized according to a Level Percentage of Payroll method over a period ending in 2041.

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Decrement Tables:

% Terminating During the Year		% Becoming Disabled During the Year	
Age	Rate	Age	Rate
15-24	10.00%	20	0.05%
25	7.50%	25	0.05%
26-27	6.25%	30	0.22%
28-31	5.00%	35	0.26%
32-34	4.00%	40	0.40%
35-37	3.00%	45	0.65%
38-49	2.00%	50	0.95%
>=50	3.50%	55	1.30%
		60	1.65%
		65	2.00%

% Retiring During the Year	
Age	Rate
<=49	0%
50-54	20%
55-59	25%
60-62	33%
63-69	50%
>=70	100%

SCHEDULE OF INVESTMENT RETURNS
Last 10 Fiscal Years

Fiscal Year Ended	Annual Money-Weighted Rate of Return Net of Investment Expense
04/30/2018	6.99%
04/30/2017	8.30%
04/30/2016	-0.09%
04/30/2015	6.90%

NOTES TO THE FINANCIAL STATEMENTS

(For the Year Ended April 30, 2018)

General Information about the Pension Plan

Plan Administration

The Plan is a single employer defined benefit pension plan administered by a Board of Trustees comprised of:

- a.) Two members appointed by the City,
- b.) Two active Members of the Police Department elected by the Membership, and
- c.) One retired Member of the Police Department elected by the Membership.

Plan Membership as of May 1, 2018:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	26
Inactive Plan Members Entitled to but Not Yet Receiving Benefits	12
Active Plan Members	32
	70
	70

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

Normal Retirement:

Date Tier 1: Age 50 and 20 years of Credited Service.

Date Tier 2: Age 55 with 10 years of Credited Service.

Benefit Tier 1: 50% of annual salary attached to rank on last day of service plus 2.50% of annual salary for each year of service over 20 years, up to a maximum of 75% of salary. The minimum monthly benefit is \$1,000 per month.

Benefit Tier 2: 2.50% per year of service times the average salary for the eight consecutive years prior to retirement times the number of years of service, up to a maximum of 75% of average salary. The minimum monthly benefit is \$1,000 per month.

Early Retirement:

Date Tier 1: Age 60 and 8 years of Credited Service.

Date Tier 2: Age 50 with 10 years of Credited Service.

Benefit Tier 1: Normal Retirement benefit with no minimum.

Benefit Tier 2: Normal Retirement benefit, reduced 6% each year before age 55, with no minimum benefit.

Disability:

Eligibility: Total and permanent as determined by the Board of Trustees.

Benefit Amount: A maximum of:

- a.) 65% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension that the Member is entitled to receive if he or she retired immediately.

For non-service connected disabilities, a benefit of 50% of salary attached to rank held by Member on last day of service.

Cost-of-Living Adjustments:

Tier 1: Retirees - An annual increase equal to 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon reaching age 55.

Tier 1: Disabled Retirees - An annual increase equal to 3.00% per year of the original benefit amount beginning at age 60. Those that become disabled prior to age 60 receive an increase of 3.00% of the original benefit amount for each year since benefit commencement upon reaching age 60.

Tier 2: An annual increase each January 1 equal to 3.00% per year or one-half of the annual unadjusted percentage increase in the consumer price index-u for the 12 months ending with the September preceding each November 1, whichever is less, of the original pension after the attainment of age 60 or first anniversary of pension start date whichever is later.

Pre-Retirement Death Benefit:

Service Incurred: 100% of salary attached to rank held by Member on last day of service.

Non-Service Incurred: A maximum of:

- a.) 50% of salary attached to the rank held by Member on last day of service, and;
- b.) The monthly retirement pension earned by the deceased Member at the time of death, regardless of whether death occurs before or after age 50.

For non-service deaths with less than 10 years of service, a refund of member contributions is provided.

Vesting (Termination):

Vesting Service Requirement: Tier 1: 8 years.

Vesting Service Requirement: Tier 2: 10 years.

Non-Vested Benefit: Refund of Member Contributions.

Vested Benefit: Either the termination benefit, payable upon reaching age 60, provided contributions are not withdrawn, or a refund of member contributions. The termination benefit is 2.50% of annual salary held in the year prior to termination (8-year final average salary for Tier 2) times creditable service.

Contributions

Employee: 9.91% of Salary.

City: Remaining amount necessary for payment of Normal (current year's) Cost and amortization of the accrued past service liability.

Net Pension Liability

The measurement date is April 30, 2018.

The measurement period for the pension expense was May 1, 2017 to April 30, 2018.

The reporting period is May 1, 2017 through April 30, 2018.

The Sponsor's Net Pension Liability was measured as of April 30, 2018.

The Total Pension Liability used to calculate the Net Pension Liability was determined as of that date.

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of May 1, 2018 using the following actuarial assumptions:

Inflation	2.50%
Salary Increases	Service based
Discount Rate	7.00%
Investment Rate of Return	7.00%

Mortality Rate Healthy Lives:

RP-2000 Combined Healthy mortality table, sex distinct with a blue collar adjustment, projected to the valuation date with Scale

Mortality Rate Disabled Lives:

RP-2000 Disabled Retiree mortality table, sex distinct, projected to the valuation date with Scale BB.

The other significant assumptions are based upon the most recent actuarial experience study performed by the State of Illinois Department of Insurance dated October 5, 2017.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of geometric real rates of return for each major asset class included in the Pension Plan's target asset allocation as of April 30, 2018 are summarized in the following table:

Asset Class	Target Allocation	Long Term Expected Real Rate of Return
Large Cap Domestic Equity	35.75%	6.6%
Mid Cap Domestic Equity	5.50%	8.7%
Small Cap Domestic Equity	5.50%	8.5%
International Equity	8.25%	6.4%
Fixed Income	45.00%	1.4%
Total	100.00%	

Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.00 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the Long-Term Expected Rate of Return on Pension Plan investments was applied to all periods of projected benefit payments to determine the Total Pension Liability.

For purpose of this valuation, the expected rate of return on pension plan investments is 7.00 percent; the municipal bond rate is 3.97 percent (based on the weekly rate closest to but not later than the measurement date of the Bond Buyer 20-Bond Index as published by the The Bond Buyer); and the resulting single discount rate is 7.00 percent.

CHANGES IN NET PENSION LIABILITY

	Increase (Decrease)		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(a)-(b)
Balances at April 30, 2017	\$ 45,549,457	\$ 26,028,563	\$ 19,520,894
Changes for a Year:			
Service Cost	730,502	-	730,502
Interest	3,168,022	-	3,168,022
Differences Between Expected and Actual Experience	274,605	-	274,605
Changes of Assumptions	(576,498)	-	(576,498)
Changes of Benefit Terms	-	-	-
Contributions - Employer	-	1,468,691	(1,468,691)
Contributions - Employee	-	295,483	(295,483)
Net Investment Income	-	1,789,255	(1,789,255)
Benefit Payments, Including Refunds of Employee Contributions	(2,045,013)	(2,045,013)	-
Administrative Expense	-	(39,377)	39,377
New Changes	1,551,618	1,469,039	82,579
Balances at April 30, 2018	<u>\$ 47,101,075</u>	<u>\$ 27,497,602</u>	<u>\$ 19,603,473</u>

Sensitivity of the Net Pension Liability to changes in the Discount Rate.

	Current Discount		
	1% Decrease	Rate	1% Increase
	6.00%	7.00%	8.00%
Sponsor's Net Pension Liability	\$ 26,261,408	\$ 19,603,473	\$ 14,146,211

Pension Plan Fiduciary Net Position.

Detailed information about the Pension Plan's Fiduciary Net Position is available in a separately issued Plan financial report.

PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED
INFLOWS OF RESOURCES RELATED TO PENSIONS

For the year ended April 30, 2018, the Sponsor will recognize a pension expense of \$2,034,703.

On April 30, 2018, the Sponsor reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences Between Expected and Actual Experience	350,307	712,257
Changes of Assumptions	479,001	480,415
Net Difference Between Projected and Actual Earnings on Pension Plan Investments	531,077	-
Total	\$ 1,360,385	\$ 1,192,672

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended April 30:		
2019	\$	203,078
2020	\$	203,078
2021	\$	(142,120)
2022	\$	(46,008)
2023	\$	(50,315)
Thereafter	\$	-

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Fiscal Years

	04/30/2018	04/30/2017
Total Pension Liability		
Service Cost	730,502	797,055
Interest	3,168,022	2,970,623
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	274,605	202,447
Changes of Assumptions	(576,498)	798,335
Contributions - Buy Back	-	106,677
Benefit Payments, Including Refunds of Employee Contributions	(2,045,013)	(1,932,191)
Net Change in Total Pension Liability	1,551,618	2,942,946
Total Pension Liability - Beginning	45,549,457	42,606,511
Total Pension Liability - Ending (a)	<u>\$ 47,101,075</u>	<u>\$ 45,549,457</u>
Plan Fiduciary Net Position		
Contributions - Employer	1,468,691	1,421,243
Contributions - Employee	295,483	313,126
Contributions - Buy Back	-	106,677
Net Investment Income	1,789,255	1,982,144
Benefit Payments, Including Refunds of Employee Contributions	(2,045,013)	(1,932,191)
Administrative Expense	(39,377)	(41,720)
Net Change in Plan Fiduciary Net Position	1,469,039	1,849,279
Plan Fiduciary Net Position - Beginning	26,028,563	24,179,284
Plan Fiduciary Net Position - Ending (b)	<u>\$ 27,497,602</u>	<u>\$ 26,028,563</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 19,603,473</u>	<u>\$ 19,520,894</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	58.38%	57.14%
Covered Employee Payroll	\$ 3,163,883	\$ 3,159,697
Net Pension Liability as a Percentage of covered Employee Payroll	619.60%	617.81%

Notes to Schedule:*Changes of assumptions:*

For measurement date 04/30/2018, based on the results of the 2017 Department of Insurance experience study, the following assumption changes were made:

- Updated retirement, termination and disability rate tables.
- Updated assumed salary increase rates.
- Updated the percentage of disabilities assumed to be in the line of duty to 60%.
- Updated the percentage of deaths assumed to be in the line of duty to 10%.

For measurement date 04/30/2017, amounts reported as changes of assumptions resulted from the following changes:

- The mortality assumptions were updated to include a projection to the valuation date using Scale BB.
- The salary scale assumption was updated from a flat 5.50% to a service-graded schedule.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Fiscal Years

	04/30/2016	04/30/2015 ¹
Total Pension Liability		
Service Cost	754,785	688,515
Interest	2,938,342	2,599,067
Changes of Benefit Terms	-	-
Differences Between Expected and Actual Experience	(1,424,513)	(388,710)
Changes of Assumptions	-	2,888,856
Contributions - Buy Back	-	-
Benefit Payments, Including Refunds of Employee Contributions	(1,767,269)	(1,624,179)
Net Change in Total Pension Liability	501,345	4,163,549
Total Pension Liability - Beginning	42,105,166	37,941,617
Total Pension Liability - Ending (a)	<u>\$ 42,606,511</u>	<u>\$ 42,105,166</u>
Plan Fiduciary Net Position		
Contributions - Employer	1,209,939	1,205,560
Contributions - Employee	308,852	302,059
Contributions - Buy Back	-	-
Net Investment Income	(21,989)	1,604,933
Benefit Payments, Including Refunds of Employee Contributions	(1,767,269)	(1,624,179)
Administrative Expense	(34,650)	(39,881)
Net Change in Plan Fiduciary Net Position	(305,117)	1,448,492
Plan Fiduciary Net Position - Beginning	24,484,401	23,035,909
Plan Fiduciary Net Position - Ending (b)	<u>\$ 24,179,284</u>	<u>\$ 24,484,401</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ 18,427,227</u>	<u>\$ 17,620,765</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	56.75%	58.15%
Covered Employee Payroll	\$ 3,054,195	\$ 2,916,963
Net Pension Liability as a Percentage of covered Employee Payroll	603.34%	604.08%

Notes to Schedule:

¹ The 2015 results were provided by the prior actuary, Timorthy W. Sharpe, Actuary, Geneva, IL.

SCHEDULE OF CONTRIBUTIONS

Last 10 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Employee Payroll	Contributions as a percentage of Covered Employee Payroll
04/30/2018	\$ 1,456,052	\$ 1,468,691	\$ (12,639)	\$ 3,163,883	46.42%
04/30/2017	\$ 1,412,529	\$ 1,421,243	\$ (8,714)	\$ 3,159,697	44.98%
04/30/2016	\$ 1,200,005	\$ 1,209,939	\$ (9,934)	\$ 3,054,195	39.62%
04/30/2015 ¹	\$ 1,196,027	\$ 1,205,560	\$ (9,533)	\$ 2,916,963	41.33%

¹ The 2015 results were provided by the prior actuary, Timorthy W. Sharpe, Actuary, Geneva, IL.

Notes to Schedule:

Valuation Date: 05/01/2016

Actuarially Determined Contribution is calculated as of May 1, two years prior year in which contributions are reported.

Methods and assumptions used to determine contribution rates:

Mortality Rate:	RP-2000 Combined Healthy Mortality with a blue collar adjustment and no projection.
Disabled Mortality Rate	RP-2000 Disabled Retiree Mortality with no projection.
Interest Rate:	7.00% per year compounded annually, net of investment related expenses. This is supported by the target asset class allocation and expected returns.
Retirement Age:	See table on following page. This is based on an experience study performed in 2012.
Disability Rate:	See table on following page. 70% of the disabilities are assumed to be in the line of duty. This is based on an experience study performed in 2012.
Termination Rate:	See table on following page. This is based on an experience study performed in 2012.
Salary Increase:	5.50% per year.
Payroll Growth:	5.50% per year.
Inflation:	2.50% per year.
Cost-of-Living Adjustment:	Tier 1: 3.00% per year after age 55. Those that retire prior to age 55 receive an increase of 1/12 of 3.00% for each full month since benefit commencement upon Tier 2: 1.25% per year after the later of attainment of age 60 or first anniversary of retirement.
Marital Status:	80% of Members are assumed to be married.
Spouse's Age:	Males are assumed to be three years older than females.
Funding Method:	Entry Age Normal Cost Method.
Actuarial Asset Method:	Investment gains and losses are smoothed over a 5-year period.
Funding Policy Amortization Method:	100% of the UAAL is amortized according to a Level Percentage of Payroll method over a period ending in 2041.

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Decrement Tables:

% Terminating During the Year		% Becoming Disabled During the Year	
Age	Rate	Age	Rate
15-24	10.00%	20	0.05%
25	7.50%	25	0.05%
26-27	6.25%	30	0.22%
28-31	5.00%	35	0.26%
32-34	4.00%	40	0.40%
35-37	3.00%	45	0.65%
38-49	2.00%	50	0.95%
>=50	3.50%	55	1.30%
		60	1.65%
		65	2.00%

% Retiring During the Year	
Age	Rate
<=49	0%
50-54	20%
55-59	25%
60-62	33%
63-69	50%
>=70	100%

COMPONENTS OF PENSION EXPENSE
FISCAL YEAR APRIL 30, 2018

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning Balance	\$ 19,520,894	\$ 1,185,072	\$ 1,836,218	
Total Pension Liability Factors:				
Service Cost	730,502	-	-	730,502
Interest	3,168,022	-	-	3,168,022
Changes in Benefit Terms	-	-	-	-
Differences Between Expected and Actual Experience With				
Regard to Economic or Demographic Assumptions	274,605	-	274,605	-
Current Year Amortization	-	(237,419)	(86,254)	(151,165)
Changes in Assumptions About Future Economic or				
Demographic Factors or Other Inputs	(576,498)	576,498	-	-
Current Year Amortization	-	(96,083)	(159,667)	63,584
Benefit Payments, Including Refunds of Employee				
Contributions	(2,045,013)	-	-	-
Net Change	<u>1,551,618</u>	<u>242,996</u>	<u>28,684</u>	<u>3,810,943</u>
Plan Fiduciary Net Position:				
Contributions - Employer	1,468,691	-	-	-
Contributions - Employee	295,483	-	-	(295,483)
Projected Net Investment Income	1,810,792	-	-	(1,810,792)
Difference Between Projected and Actual Earnings on				
Pension Plan Investments	(21,537)	-	21,537	
Current Year Amortization	-	(58,849)	(349,507)	290,658
Benefit Payments, Including Refunds of Employee				
Contributions	(2,045,013)	-	-	-
Administrative Expenses	(39,377)	-	-	39,377
Net Change	<u>1,469,039</u>	<u>(58,849)</u>	<u>(327,970)</u>	<u>(1,776,240)</u>
Ending Balance	<u>\$ 19,603,473</u>	<u>\$ 1,369,219</u>	<u>\$ 1,536,932</u>	<u>\$ 2,034,703</u>

AMORTIZATION SCHEDULE - EXPERIENCE

			Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Differences between Expected and Actual Experience									
Year Base Established	Differences Between Expected and Actual Experience	Recognition Period (Years)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2018	\$ 274,605	6	\$ 45,765	\$ 45,768	\$ 45,768	\$ 45,768	\$ 45,768	\$ 45,768	\$ -	\$ -	\$ -	\$ -
2017	\$ 202,447	5	\$ 40,489	\$ 40,489	\$ 40,489	\$ 40,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	\$ (1,424,513)	6	\$ (237,419)	\$ (237,419)	\$ (237,419)	\$ (237,419)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ (151,165)	\$ (151,162)	\$ (151,162)	\$ (151,162)	\$ 45,768	\$ 45,768	\$ -	\$ -	\$ -	\$ -

AMORTIZATION SCHEDULE - CHANGES OF ASSUMPTIONS

Year Base Established	Change of Assumptions	Recognition Period (Years)	Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Changes of Assumptions												
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
2018	\$ (576,498)	6	\$ (96,083)	\$ (96,083)	\$ (96,083)	\$ (96,083)	\$ (96,083)	\$ (96,083)	\$ (96,083)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	\$ 798,335	5	\$ 159,667	\$ 159,667	\$ 159,667	\$ 159,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ 63,584	\$ 63,584	\$ 63,584	\$ 63,584	\$ (96,083)	\$ (96,083)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

AMORTIZATION SCHEDULE - INVESTMENTS

			Increase (Decrease) in Pension Expense Arising from the Recognition of the of Differences Between Projected and Actual Earnings on Pension Plan Investments												
Year Base Established	Differences Between Projected and Actual Earnings	Recognition Period (Years)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
2018	\$ 21,537	5	\$ 4,309	\$ 4,307	\$ 4,307	\$ 4,307	\$ 4,307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
2017	\$ (294,244)	5	\$ (58,849)	\$ (58,849)	\$ (58,849)	\$ (58,849)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
2016	\$ 1,725,988	5	\$ 345,198	\$ 345,198	\$ 345,198	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Net Increase (Decrease) in Pension Expense			\$ 290,658	\$ 290,656	\$ 290,656	\$ (54,542)	\$ 4,307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

CITY OF DARIEN

**EXPENDITURE APPROVAL LIST
FOR CITY COUNCIL MEETING ON
September 4, 2018**

Approval is hereby given to have the City Treasurer of Darien, Illinois pay to the officers, employees, independent contractors, vendors, and other providers of goods and services in the indicated amounts as set forth.

A summary indicating the source of funds used to pay the above is as follows:

General Fund			\$148,671.37
Water Fund			\$515,643.42
Motor Fuel Tax Fund			\$892.71
Water Depreciation Fund			
Special Service Area Tax Fund			
Debt Service Fund			
Capital Improvement Fund			\$155,552.28
State Drug Forfeiture Fund			
Federal Equitable Sharing Fund			\$705.00
		Subtotal:	<u>\$821,464.78</u>
General Fund Payroll	08/16/18	\$	239,752.09
Water Fund Payroll	08/16/18	\$	21,880.66
		Subtotal:	<u>\$ 261,632.75</u>
Total to be Approved by City Council:			<u>\$ 1,083,097.53</u>

Approvals:

Kathleen Moesle Weaver, Mayor

JoAnne E. Ragona, City Clerk

Michael J. Coren, Treasurer

Bryon D. Vana, City Administrator

CITY OF DARIEN
Expenditure Journal
General Fund
Administration
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
ALPINE BANQUETS, INC.	2019 CITIZEN OF THE YEAR BANQUET DEPOSIT	AP082018	4239	Public Relations	500.00
BEST QUALITY CLEANING, INC.	CITY CLEANING SERVICE- AUGUST 2018	AP082018	4345	Janitorial Service	2,000.00
CALL ONE, INC.	CITY TELEPHONE BILL	AP082018	4267	Telephone	1,351.44
CDW GOVERNMENT, INC.	MICROSOFT 2016 (GOMBAC, MANNING, NOVERINI)	AP082018	4325	Consulting/Professional	692.73
CHASE CARD SERVICES	INTERNET FOR PUBLIC WORKS	AP082018	4267	Telephone	89.85
CHASE CARD SERVICES	CABLE ROOM UPGRADE	AP082018	4815	Equipment	311.39
EMERALD MARKETING INC.	NEIGHBORS MAGAZINE- SEPT-OCT 2018	AP082018	4239	Public Relations	3,145.27
GOVTEMPSUSA LLC	VANA 7-22-18	AP082018	4325	Consulting/Professional	3,415.38
GOVTEMPSUSA LLC	VANA 7-29-18	AP082018	4325	Consulting/Professional	3,415.38
MUNICIPAL WEB SERVICES	WEBSITE HOSTING	AP082018	4325	Consulting/Professional	447.00
OFFICE DEPOT	COLORED TONER	AP082018	4253	Supplies - Office	478.14
PM PRINTING INC.	NO SOLICITOR DECALS	AP082018	4235	Printing and Forms	268.05
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Misc Fees	AP082018	4219	Liability Insurance	12.62
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Phone Conf , Emails	AP082018	4219	Liability Insurance	990.00
VERIZON WIRELESS	VERIZON WIRELESS BILL -ADMIN	AP082018	4267	Telephone	1,512.15
				Total Administration	18,629.40

CITY OF DARIEN
Expenditure Journal
General Fund
City Council
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
DUPAGE COUNTY TREASURER	PILOT II COUPONS	AP082018	4325	Consulting/Professional	1,000.00
ILLINOIS STATE POLICE	FINGERPRINTING -OLIVER QUIZON -WALGREENS	AP082018	4205	Boards and Commissions	27.00
METROPOLITAN MAYORS CAUCUS	20107-2018 Caucus Dues	AP082018	4213	Dues and Subscriptions	993.87
MICHAEL HAZOU	REFUNDED 7 PILOT II COUPONS TO RESIDENT	AP082018	4325	Consulting/Professional	17.50
				Total City Council	2,038.37

CITY OF DARIEN
Expenditure Journal
General Fund
Community Development
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
CHRISTOPHER B. BURKE ENG, LTD	ENGINEERING SERVICE FOR JULY 2018	AP082018	4328	Const/Prof Reimbursable	449.68
CHRISTOPHER B. BURKE ENG, LTD	7879 LEMONT RD-FINAL INSPECT FOR RELEASE OF MAINT SECURITY	AP082018	4328	Const/Prof Reimbursable	330.00
CHRISTOPHER B. BURKE ENG, LTD	SITE VISIT FOR LETTER OF CREDIT REDUCTION	AP082018	4328	Const/Prof Reimbursable	550.00
DON MORRIS ARCHITECTS P.C.	INSPECTIONS-JULY 2018	AP082018	4325	Consulting/Professional	4,235.00
DON MORRIS ARCHITECTS P.C.	PLAN REVIEWS -JULY 2018	AP082018	4328	Const/Prof Reimbursable	4,704.37
DUPAGE LAWN AND HOME SERVICES	LAWN MOWING	AP082018	4328	Const/Prof Reimbursable	600.00
ELEVATOR INSPECTION SERVICE CO	ELEVATOR INSPECTIONS - AUGUST 2018 (43)	AP082018	4328	Const/Prof Reimbursable	1,344.00
OFFICE DEPOT	SD CARDS	AP082018	4253	Supplies - Office	39.99
OFFICE DEPOT	COLORED TONER	AP082018	4253	Supplies - Office	478.13
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Misc Fees	AP082018	4219	Liability Insurance	389.40
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Brichta	AP082018	4219	Liability Insurance	1,045.00
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- 7014 High Rd	AP082018	4219	Liability Insurance	57.50
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL - 337 Roger Rd	AP082018	4219	Liability Insurance	1,220.00
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Phone Conf, Emails, Reviews	AP082018	4219	Liability Insurance	3,630.00
				Total Community Development	19,073.07

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
ADVANCE AUTO PARTS	IGNITION COIL FOR 503	AP082018	4229	Maintenance - Vehicles	33.20
ADVANCE AUTO PARTS	IGNITION COIL FOR SHOP	AP082018	4229	Maintenance - Vehicles	40.99
ADVANCE AUTO PARTS	RETURN IGNITION COIL	AP082018	4229	Maintenance - Vehicles	(40.99)
ADVANCE AUTO PARTS	FILTERS FOR 104	AP082018	4229	Maintenance - Vehicles	98.70
ALARM DETECTION SYSTEMS INC	CITY HALL ALARM MONITORING	AP082018	4223	Maintenance - Building	45.16
ALARM DETECTION SYSTEMS INC	POLICE DEPT ALARM MONITORING-AUG 2018	AP082018	4223	Maintenance - Building	45.16
AUTOMATED LOGIC	HVAC MONITOR-AUGUST 2018	AP082018	4223	Maintenance - Building	373.75
CARLSEN'S ELEVATOR SERVICES	DOOR LOCK COIL FOR CITY HALL ELEVATOR	AP082018	4223	Maintenance - Building	741.12
CARLSEN'S ELEVATOR SERVICES	TROUBLESHOOTING ELEVATOR-7-10-18	AP082018	4223	Maintenance - Building	277.50
CARLSEN'S ELEVATOR SERVICES	TROUBLESHOOTING ELEVATOR, 7-16-18	AP082018	4223	Maintenance - Building	370.00
CARQUEST AUTO PARTS STORES	BELT FOR 208	AP082018	4229	Maintenance - Vehicles	32.72
CHICAGO METROPOLITAN FIRE PREV	REMAINING TERM THROUGH 11-30-18	AP082018	4223	Maintenance - Building	140.00
CHRISTOPHER B. BURKE ENG, LTD	M & M DALE BASIN WETLAND	AP082018	4325	Consulting/Professional	1,611.71
CINTAS #769	MATT RENTAL -PUBLIC WORKS	AP082018	4223	Maintenance - Building	24.99
CINTAS #769	MATT RENTAL - POLICE DEPT	AP082018	4223	Maintenance - Building	48.81
CINTAS #769	MATT RENTAL - CITY HALL	AP082018	4223	Maintenance - Building	44.04
COM ED	COM ED 3118112014 -2103 75TH ST (Pumping Station)	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	180.22
CONSTELLATION NEW ENERGY, INC.	CONSTELLATION 12638151401 (CONTROLLER Frontage/Cass)	AP082018	4359	Street Light Oper & Maint.	35.10

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
CONSTELLATION NEW ENERGY, INC.	CONSTELLATION 12638112801 (SW Corner 75th/ Plainfield Rd)	AP082018	4359	Street Light Oper & Maint.	272.32
CONSTELLATION NEW ENERGY, INC.	STREET LIGHT 75TH CASS	AP082018	4359	Street Light Oper & Maint.	206.38
DUPAGE COUNTY DIV OF TRANSPORT	PERMIT FEE FOR DARIEN CITY COUNCIL CHAMBER REPAIR	AP082018	4223	Maintenance - Building	100.00
FIRST ADVANTAGE	DRUG SCREEN	AP082018	4219	Liability Insurance	33.67
HOME DEPOT	BASE MAINTENANCE AND SUPPLIES	AP082018	4223	Maintenance - Building	1,328.89
HOME DEPOT	DEHUMIDIFIER RETURN	AP082018	4223	Maintenance - Building	(319.98)
HOME DEPOT	EQUIPMENT MAINTENANCE	AP082018	4225	Maintenance - Equipment	102.66
HOME DEPOT	OTHER SUPPLIES	AP082018	4259	Small Tools & Equipment	274.61
IL CENTRAL SWEEPING SERVICE	SWEEPING 709 PLAINFIELD	AP082018	4373	Street Sweeping	420.00
KARA COMPANY, INC.	LATHE, AXE , SHOVEL	AP082018	4257	Supplies - Other	149.74
LAWSON PRODUCTS INCORPORATED	ADHESIVE MATERIAL	AP082018	4225	Maintenance - Equipment	135.36
MAC TOOLS	HOOD PROP FOR MECHANIC	AP082018	4259	Small Tools & Equipment	54.99
MC CANN INDUSTRIES INC	MV2 REPAIR	AP082018	4229	Maintenance - Vehicles	31,067.50
MC CANN INDUSTRIES INC	MV2 REPAIR	AP082018-4	4229	Maintenance - Vehicles	31,067.05
MC CANN INDUSTRIES INC	MV2 REPAIR	APVOID082018...	4229	Maintenance - Vehicles	(31,067.50)
McMASTER-CARR	ANCHORS FOR PD	AP082018	4223	Maintenance - Building	68.54
NICOR GAS	NICOR 90841110001	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	52.41
NICOR GAS	NICOR 82541110001	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	93.86
NICOR GAS	NICOR 21710264942	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	31.34
NORWALK TANK	DRAINAGE PROJECT: FOX HILL PL	AP082018	4374	Drainage Projects	2,260.00
RAGS ELECTRIC	REPLACED BREAKER AT PUBLIC WORKS	AP082018	4223	Maintenance - Building	395.15
RAGS ELECTRIC	PD ELECTRIC	AP082018	4223	Maintenance - Building	230.00
RAGS ELECTRIC	CABLES AT 8009 SAWMILL CREEK DR	AP082018	4359	Street Light Oper & Maint.	1,685.21

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
RICMAR INDUSTRIES, INC.	JANITORIAL SUPPLIES FOR PW	AP082018	4223	Maintenance - Building	194.50
ROYAL OAK LANDSCAPING INC	PINE PARKWAY ISLAND MOWING	AP082018	4350	Forestry	140.00
STATE INDUSTRIAL PRODUCTS	SEPTIC SYSTEM	AP082018	4223	Maintenance - Building	255.02
TAMELING INDUSTRIES	DIRT FOR 79TH STREET STUMP RESTORATION	AP082018	4257	Supplies - Other	240.00
TRAFFIC CONTROL AND PROTECTION	RADAR SIGNS (10)	AP082018	4257	Supplies - Other	50,215.00
TRI-K INC	ELECTRIC GREASE, CLEANER, FOR MECHANIC	AP082018	4225	Maintenance - Equipment	479.97
UNIQUE PRODUCTS & SERVICE CORP	JANITORIAL SUPPLIES FOR POLICE DEPT	AP082018	4223	Maintenance - Building	113.40
WHOLESALE DIRECT, INC.	PARTS FOR 502	AP082018	4229	Maintenance - Vehicles	<u>282.96</u>
				Total Public Works, Streets	94,665.23

CITY OF DARIEN
Expenditure Journal
General Fund
Police Department
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
3M	GAS MASK RESPIRATOR TESTING	AP082018	4219	Liability Insurance	580.00
ADVANCE AUTO PARTS	IGNITION SWITCH FOR D5	AP082018	4229	Maintenance - Vehicles	25.41
ADVANCE AUTO PARTS	ROTOR AND BRAKE PADS FOR SHOP	AP082018	4229	Maintenance - Vehicles	261.24
ADVANCE AUTO PARTS	BATTERY FOR D36	AP082018	4229	Maintenance - Vehicles	111.10
ADVANTAGE CHEVROLET	REPAIR PARTS D5	AP082018	4229	Maintenance - Vehicles	175.15
ADVANTAGE CHEVROLET	REPAIR PARTS D16	AP082018	4229	Maintenance - Vehicles	2,441.69
ANTON HRUBY	HRUBY - UNDER SHIRTS (KOHLS)	AP082018	4269	Uniforms	44.98
AXON ENTERPRISES INC	TASER ASSURANCE PLAN CEW ANNUAL PAYMENT	AP082018	4217	Investigation and Equipment	2,403.94
B & B JOINT VENTURE	ADMIN TOW JUDGE FEE- JULY 2018	AP082018	4219	Liability Insurance	150.00
CHASE CARD SERVICES	BLUE RAY DISCS-DETECTIVES	AP082018	4217	Investigation and Equipment	45.96
CHASE CARD SERVICES	SALES TAX REFUNDED	AP082018	4217	Investigation and Equipment	(9.99)
CHASE CARD SERVICES	PORTABLE HARD DRIVE -DETECTIVES	AP082018	4217	Investigation and Equipment	87.98
CHASE CARD SERVICES	PROJECTOR LAMP	AP082018	4225	Maintenance - Equipment	69.98
CHASE CARD SERVICES	SHIPPING FEE FOR TASER REPAIR	AP082018	4233	Postage/Mailings	30.99
CHASE CARD SERVICES	STICKER BADGES- NATIONAL NIGHT OUT	AP082018	4239	Public Relations	252.22
CHASE CARD SERVICES	CANDY FOR NATIONAL NIGHT OUT	AP082018	4239	Public Relations	64.51
CHASE CARD SERVICES	DIGITAL RECORDER FOR PUBLIC MEETINGS	AP082018	4253	Supplies - Office	81.01
CHASE CARD SERVICES	USB READER FOR RECORDS DEPT	AP082018	4253	Supplies - Office	20.99
CHASE CARD SERVICES	ANKER USB PORT HUB -RENTKA	AP082018	4253	Supplies - Office	42.49

CITY OF DARIEN
Expenditure Journal
General Fund
Police Department
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
CHASE CARD SERVICES	WIRELESS MOUSE -CHIEF	AP082018	4253	Supplies - Office	13.89
CHASE CARD SERVICES	PHONE SCREEN PROTECTOR- PICCOLI	AP082018	4253	Supplies - Office	7.99
CHASE CARD SERVICES	PHONE CASE - PICCOLI	AP082018	4253	Supplies - Office	10.99
CHASE CARD SERVICES	PHONE CASE -NORTON	AP082018	4253	Supplies - Office	16.45
CHASE CARD SERVICES	CREDIT FOR RETURNED USB HUB- RENTKA	AP082018	4253	Supplies - Office	(32.99)
CHASE CARD SERVICES	SRO CLASS -RUNDELL	AP082018	4263	Training and Education	495.00
CHASE CARD SERVICES	SALES TAX REFUNDED	AP082018	4263	Training and Education	(17.10)
CHASE CARD SERVICES	ITOA CONFERENCE FOR JUMP AND LOREK	AP082018	4263	Training and Education	650.00
CHASE CARD SERVICES	INTERNET FOR POLICE DEPT	AP082018	4267	Telephone	199.85
DATACOM	UCC UPDATE RENEWAL OF SOFTWARE	AP082018	4225	Maintenance - Equipment	449.00
GERALD R. PICCOLI	PICCOLI- SHIRTS, SHOES (MACYS, NORDSTROM)	AP082018	4269	Uniforms	189.64
ILLINOIS SECRETARY OF STATE	LICENSE PLATE RENEWAL D24	AP082018	4229	Maintenance - Vehicles	101.00
ILLINOIS SECRETARY OF STATE	LICENSE PLATE RENEWAL D27	AP082018	4229	Maintenance - Vehicles	101.00
IPLEA	2018 FALL CONFERENCE -CMDR RENTKA	AP082018-3	4263	Training and Education	235.00
JEFFREY SIMEK	SIMEK -SHIRTS (UNDER ARMOUR)	AP082018	4269	Uniforms	157.77
JENNIFER ZIMNY	ZIMNY - SOCKS, SHIRTS (WALMART)	AP082018	4269	Uniforms	20.40
KAESER & BLAIR INCORPORATED	PROMOTIONAL GIVEAWAYS FOR NATIONAL NIGHT OUT	AP082018	4239	Public Relations	234.52

CITY OF DARIEN
Expenditure Journal
General Fund
Police Department
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
KAESER & BLAIR INCORPORATED	PROMOTIONAL GIVEAWAYS FOR NATIONAL NIGHT OUT-KEY LIGHTS	AP082018	4239	Public Relations	404.50
KAESER & BLAIR INCORPORATED	PROMOTIONAL GIVEAWAYS NATIONAL NIGHT OUT- PENCILS	AP082018	4239	Public Relations	237.00
KING CAR WASH	CAR WASHES- JULY 2018	AP082018	4229	Maintenance - Vehicles	320.50
NORTHEAST MULTIREGIONAL TRNG	RENTKA - BREACHPOINT TRAINING	AP082018	4263	Training and Education	50.00
RAY O'HERRON CO. INC.	YEO #333 -REPLACEMENT BADGE	AP082018	4269	Uniforms	65.85
RAY O'HERRON CO. INC.	SIMEK - PANTS	AP082018	4269	Uniforms	74.99
RAY O'HERRON CO. INC.	MILAZZO -KNIFE	AP082018	4269	Uniforms	35.99
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- 2018 Map Negotiations	AP082018	4219	Liability Insurance	55.00
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- MAP, HR and Other for Police Dept	AP082018	4219	Liability Insurance	1,815.00
ROSENTHAL, MURPHEY, COBLENTZ	LEGAL BILL- Misc Fees	AP082018	4219	Liability Insurance	432.28
STAPLES BUSINESS ADVANTAGE	CERTIFICATE HOLDERS, BINDERS, MESSAGE BOOKS	AP082018	4253	Supplies - Office	265.92
VERIZON WIRELESS	VERIZON WIRELESS BILL -POLICE DEPT	AP082018	4267	Telephone	796.21
				Total Police Department	14,265.30
				Total General Fund	148,671.37

CITY OF DARIEN
Expenditure Journal
Water Fund
Public Works, Water
From 8/20/2018 Through 8/20/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
CHASE CARD SERVICES	PLUMBING SUPPLIES	AP082018	4231	Maintenance - Water System	77.21
CINTAS #769	MATT RENTAL -PUBLIC WORKS	AP082018	4223	Maintenance - Building	24.99
COM ED	COM ED 0269155053 -2101 75TH ST (Pumping Station)	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	66.47
DUPAGE COUNTY PUBLIC WORKS	METER READINGS	AP082018	4336	Data Processing	27,248.74
DUPAGE WATER COMMISSION	WATER PURCHASE - JULY 2018	AP082018	4340	DuPage Water Commission	479,945.70
EJ USA, INC.	FIRE HYDRANT	AP082018	4231	Maintenance - Water System	2,531.00
FedEx	PACKING PEANUTS FOR LOCATOR SHIPPING	AP082018	4225	Maintenance - Equipment	4.99
HAWKINS INC	CHLORINE	AP082018	4255	Supplies - Operation	179.94
HOME DEPOT	PLANT MAINTENANCE	AP082018	4223	Maintenance - Building	59.51
HOME DEPOT	TRUCKING SUPPLIES	AP082018	4225	Maintenance - Equipment	20.51
HOME DEPOT	MAINTENANCE AND EQUIPMENT SUPPLIES	AP082018	4231	Maintenance - Water System	302.36
NICOR GAS	NICOR 05002110004 1930 MANNING RD	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	68.18
NICOR GAS	NICOR 23644110001 8600 LEMONT RD	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	21.17
NICOR GAS	NICOR 90841110001	AP082018	4271	Utilities (Elec,Gas,Wtr,Sewer)	52.40
O'REILLY AUTOMOTIVE, INC.	REPAIR PARTS	AP082018	4229	Maintenance - Vehicles	19.99
RED WING SHOES	DENNIS CABLE - BOOTS	AP082018	4219	Liability Insurance	199.74
RED WING SHOES	NICK TUTTLE - BOOTS	AP082018	4219	Liability Insurance	203.99
RED WING SHOES	NICK TUTTLE -CLOTHES	AP082018	4219	Liability Insurance	1,118.02
RED WING SHOES	BEUSSE -BOOTS, ,CLOTHES	AP082018	4219	Liability Insurance	298.88
RED WING SHOES	CREDIT -NICK TUTTLE -HOODIE, SWEATSHIRT	AP082018	4269	Uniforms	(118.78)
SUBURBAN DOOR CHECK & LOCK SVC	LOCKS FOR WATER PLANT	AP082018	4223	Maintenance - Building	66.72
SUBURBAN LABORATORIES	WATER SAMPLES	AP082018	4241	Quality Control	1,202.60

**CITY OF DARIEN
Expenditure Journal
Water Fund
Public Works, Water
From 8/20/2018 Through 8/20/2018**

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
VERIZON WIRELESS	VERIZON WIRELESS BILL/PHONES FOR PUBLIC WORKS	AP082018	4267	Telephone	662.09
ZIEBELL WATER SERVICE PRODUCTS	WATER MAIN CLAMPS	AP082018	4231	Maintenance - Water System	<u>1,387.00</u>
				Total Public Works, Water	<u>515,643.42</u>
				Total Water Fund	<u>515,643.42</u>

CITY OF DARIEN
Expenditure Journal
Motor Fuel Tax
MFT Expenses
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
SUPERIOR ASPHALT MATERIALS	ROAD PATCH	AP082018	4245	Road Material	892.71
				Total MFT Expenses	892.71
				Total Motor Fuel Tax	892.71

CITY OF DARIEN
Expenditure Journal
Federal Equitable Sharing Fund
Drug Forfeiture Expenditures
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
STOP STICK, LTD.	TIRE DEFLATION DEVICES (20)	AP082018	4213	Dues and Subscriptions	705.00
				Total Drug Forfeiture Expenditures	705.00
				Total Federal Equitable Sharing Fund	705.00

CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
AMBER MECHANICAL CONTRACTORS	PD HVAC	AP082018	4390	Capital Improv-Infrastructure	42,201.40
DAS ENTERPRISES, INC.	DITCH PROJECT: CLARENDON HILLS HAULING (8-6-18 - 8-7-18)	AP082018	4376	Ditch Projects	2,252.60
DAS ENTERPRISES, INC.	DITCH PROJECT: CLARENDON HILLS HAULING (8-1-18 thru 8-2-18)	AP082018	4376	Ditch Projects	3,218.00
DUPAGE TOPSOIL, INC.	DITCH PROJECT: ELEANOR TOPSOIL	AP082018	4376	Ditch Projects	700.00
DUPAGE TOPSOIL, INC.	TOPSOIL FOR DITCH RESTORATIONS	AP082018	4376	Ditch Projects	175.00
DUPAGE TOPSOIL, INC.	TOPSOIL FOR WINTERBERRY RESTORATION	AP082018	4376	Ditch Projects	350.00
DUPAGE TOPSOIL, INC.	DITCH PROJECT: ELEANOR DIRT	AP082018	4376	Ditch Projects	175.00
DUPAGE TOPSOIL, INC.	DITCH PROJECT: ELEANOR DIRT	AP082018	4376	Ditch Projects	6,650.00
GRADE A	DRAINAGE PROJECT: BAKER/HAYENGA	AP082018	4376	Ditch Projects	3,860.00
JC LANDSCAPING/TREE SERVICE	TOPSOIL, SEED BLANKETS FOR DITCH RESTORATIONS	AP082018	4376	Ditch Projects	813.00
JC LANDSCAPING/TREE SERVICE	LANDSCAPE RESTORE- CREST RD	AP082018	4376	Ditch Projects	456.00
JC LANDSCAPING/TREE SERVICE	LANDSCAPE RESTORE -BROOKHAVEN	AP082018	4376	Ditch Projects	628.00
NORWALK TANK	PIPE, INLETS	AP082018	4376	Ditch Projects	844.74
NORWALK TANK	DRAINAGE PROJECT: EVERGREEN	AP082018	4376	Ditch Projects	2,582.48
NORWALK TANK	DRAINAGE PROJECT: EVERGREEN	AP082018	4376	Ditch Projects	391.24

**CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 8/20/2018 Through 8/20/2018**

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
NORWALK TANK	DRAINAGE PROJECT: WINTERBERRY	AP082018	4376	Ditch Projects	1,291.68
ODYSSEY BARRICADE SERVICES	DITCH PROJECT: CLARENDON HILLS DETOUR BARRICADES, SIGNS	AP082018	4376	Ditch Projects	6,260.76
SCORPIO CONSTRUCTION CORP	DITCH PROJECT: CLARENDON HILLS	AP082018	4376	Ditch Projects	70,195.73
SCORPIO CONSTRUCTION CORP	DITCH PROJECT:CLARENDON HILLS RD	AP082018-2	4376	Ditch Projects	70,196.00
SCORPIO CONSTRUCTION CORP	DITCH PROJECT: CLARENDON HILLS	APVOID082018	4376	Ditch Projects	(70,195.73)
TAMELING INDUSTRIES	WEEDMAT FOR LANDSCAPE	AP082018	4376	Ditch Projects	196.00
TAMELING INDUSTRIES	WEEDMAT FOR LANDSCAPE	AP082018	4376	Ditch Projects	11.00
TRAFFIC CONTROL AND PROTECTION	MESSAGE BOARDS	AP082018	4376	Ditch Projects	1,800.00
VULCAN CONSTRUCTION MATERIALS	DITCH PROJECT: CLARENDON HILLS STONE	AP082018	4376	Ditch Projects	3,341.38
WILLCO GREEN LLC	DITCH PROJECT: CLARENDON HILLS -SPOILS	AP082018	4376	Ditch Projects	2,352.00
WILLCO GREEN LLC	DITCH PROJECT: ELEANOR-SPOILS (7-9 thru 7-13-18)	AP082018	4376	Ditch Projects	2,106.00
WILLCO GREEN LLC	DITCH PROJECT: 71ST SPOILS (6-25 thru 6-29-18)	AP082018	4376	Ditch Projects	700.00
WILLCO GREEN LLC	DITCH PROJECT: CLARENDON HILLS (6-25 thru 6-29-18)	AP082018	4376	Ditch Projects	2,000.00

CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 8/20/2018 Through 8/20/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
				Total Capital Fund Expenditures	155,552.28
				Total Capital Improvement Fund	155,552.28
Report Total					821,464.78

CITY OF DARIEN

**EXPENDITURE APPROVAL LIST
FOR CITY COUNCIL MEETING ON
September 4, 2018**

Approval is hereby given to have the City Treasurer of Darien, Illinois pay to the officers, employees, independent contractors, vendors, and other providers of goods and services in the indicated amounts as set forth.

A summary indicating the source of funds used to pay the above is as follows:

General Fund				\$57,320.49
Water Fund				\$22,069.86
Motor Fuel Tax Fund				\$11,589.21
Water Depreciation Fund				\$17,360.50
Special Service Area Tax Fund				
Debt Service Fund				
Capital Improvement Fund				\$119,361.67
State Drug Forfeiture Fund				\$291.66
Federal Equitable Sharing Fund				\$629.00
DUI Technology Fund				\$19,554.00
			Subtotal:	<u>\$248,176.39</u>
General Fund Payroll	08/30/18	\$	225,282.96	
Water Fund Payroll	08/30/18	\$	20,152.51	
		Subtotal:	\$	<u>245,435.47</u>
Total to be Approved by City Council:				<u>\$ 493,611.86</u>

Approvals:

Kathleen Moesle Weaver, Mayor

JoAnne E. Ragona, City Clerk

Michael J. Coren, Treasurer

Bryon D. Vana, City Administrator

CITY OF DARIEN
Expenditure Journal
General Fund
Administration
From 9/4/2018 Through 9/4/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
AIS	MONTHLY MANAGED SERVICES - SEPTEMBER 2018	AP090418	4325	Consulting/Professional	950.00
AIS	MONTHLY MANAGED SERVICES - SEPTEMBER 2018	AP090418	4325	Consulting/Professional	4,900.03
AIS	COMPUTER UPGRADES	AP090418	4325	Consulting/Professional	2,586.94
AVI SYSTEMS	REMAINING EQUIPMENT FOR CONTROL ROOM	AP090418	4815	Equipment	4,922.00
COMCAST CABLE	COMCAST CABLE FOR CITY HALL	AP090418	4267	Telephone	8.43
GOVTEMPSUSA LLC	VANA (8-5-18)	AP090418	4325	Consulting/Professional	3,415.38
GOVTEMPSUSA LLC	VANA (8-12-18)	AP090418	4325	Consulting/Professional	3,415.38
IMPACT NETWORKING, LLC	KONICA CONTRACT 8-18 THRU 9-17-18	AP090418	4225	Maintenance - Equipment	113.00
OFFICE DEPOT	TONER AND OFFICE SUPPLIES FOR CITY HALL	AP090418	4253	Supplies - Office	74.15
TRI-K INC	SANITIZER	AP090418	4229	Maintenance - Vehicles	109.00
TRI-K INC	MAINTENANCE SUPPLIES	AP090418	4229	Maintenance - Vehicles	368.35
				Total Administration	20,862.66

CITY OF DARIEN
Expenditure Journal
General Fund
Community Development
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
CHRISTOPHER B. BURKE ENG, LTD	RESEARCH EASEMENT DOCS and RECORDED PLATS	AP090418	4325	Consulting/Professional	167.00
ELEVATOR INSPECTION SERVICE CO OFFICE DEPOT	5 Elevator RE-Inspections HYDRANT METER BOXES	AP090418 AP090418	4328 4253	Const/Prof Reimbursable Supplies - Office	125.00 34.99
ROYAL OAK LANDSCAPING INC	MOWING- PINE PARKWAY	AP090418	4328	Const/Prof Reimbursable	140.00
				Total Community Development	466.99

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 9/4/2018 Through 9/4/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
ALARM DETECTION SYSTEMS INC	QUARTERLY MONITORING -POLICE DEPT (Sept - Nov)	AP090418	4223	Maintenance - Building	105.00
ALARM DETECTION SYSTEMS INC	ALARM QUARTERLY	AP090418	4223	Maintenance - Building	190.02
ALARM DETECTION SYSTEMS INC	INSTALLATION -AES BURGLAR ALARM DEVICE	AP090418	4223	Maintenance - Building	1,446.89
ALARM DETECTION SYSTEMS INC	QUARTERLY MONITORING -CITY HALL (Sept-Nov)	AP090418	4815	Equipment	105.00
CHEMSEARCH	PUBLIC WORKS MAINTENANCE	AP090418	4223	Maintenance - Building	115.77
CHEMSEARCH	ALL SEASONS DIESEL MATE	AP090418	4225	Maintenance - Equipment	942.51
CINTAS FIRST AID AND SAFETY	REPLENISH FIRST AID CABINET	AP090418	4219	Liability Insurance	154.90
COM ED	COM ED 0788310001 - DARIEN PUBLIC WORKS	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	56.09
COM ED	COM ED 0633028127 - CLOCK TOWER	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	126.02
CONSTELLATION NEW ENERGY, INC.	ENERGY- SW CORNER OF 75TH /ADAMS	AP090418	4359	Street Light Oper & Maint.	1,730.70
CONSTELLATION NEW ENERGY, INC.	ENERGY- 75TH PLAINFIELD STREET LIGHTS	AP090418	4359	Street Light Oper & Maint.	281.10
EXPERT CHEMICAL & SUPPLY INC	BOOTS AND RAIN GEAR	AP090418	4219	Liability Insurance	478.00
GENE'S TIRE & AUTO REPAIR	TIRE REPAIR #207	AP090418	4229	Maintenance - Vehicles	20.00
GENE'S TIRE & AUTO REPAIR	TIRE REPAIR #207	AP090418	4229	Maintenance - Vehicles	20.00
GENE'S TIRE & AUTO REPAIR	TIRE REPAIR #207	AP090418	4229	Maintenance - Vehicles	25.00
GENE'S TIRE & AUTO REPAIR	TIRE REPAIR #207	AP090418	4229	Maintenance - Vehicles	20.00
GENE'S TIRE & AUTO REPAIR	ALIGNMENT FOR #102	AP090418	4229	Maintenance - Vehicles	132.55
GRADE A	GRAVEL BEHIND RETAINING WALL	AP090418	4223	Maintenance - Building	925.00
GRADE A	RETAINING WALL AT CITY HALL	AP090418	4223	Maintenance - Building	4,860.00

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 9/4/2018 Through 9/4/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
IL SECTION -AMERICAN WATERWORK	FLAGGER CERTIFICATION- RICH LEPIC	AP090418	4263	Training and Education	80.00
JOHNSON CONTROL SECURITY (ADT)	FINAL PAYMENT -JULY 2018	AP090418	4223	Maintenance - Building	107.94
KARA COMPANY, INC.	WOOD LATHES	AP090418	4257	Supplies - Other	240.00
LAWSON PRODUCTS INCORPORATED	CUT OFF WHEELS	AP090418	4257	Supplies - Other	97.83
MAC TOOLS	SCREWDRIVER SET FOR MECHANIC	AP090418	4259	Small Tools & Equipment	143.99
McMASTER-CARR	MAILBOXES	AP090418	4257	Supplies - Other	27.02
McMASTER-CARR	MAILBOXES	AP090418	4257	Supplies - Other	903.84
NICOR GAS	NICOR 82541110001 CITY HALL	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	95.26
NICOR GAS	NICOR 90841110001 1041 S FRONTAGE (PUBLIC WORKS)	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	52.63
OFFICE DEPOT	RESTROOM TOWELS, PAPER TOWELS	AP090418	4223	Maintenance - Building	54.47
OFFICE DEPOT	4 TONERS FOR PUBLIC WORKS	AP090418	4253	Supplies - Office	817.93
RED WING SHOES	BOOTS- BRUZAN	AP090418	4219	Liability Insurance	297.73
RED WING SHOES	CLOTHING- BRUZAN	AP090418	4269	Uniforms	93.60
RED WING SHOES	CORNEILS - SHORTS	AP090418	4269	Uniforms	62.98
RED WING SHOES	PISCITIELLO - SHIRTS	AP090418	4269	Uniforms	52.20
RED WING SHOES	CLOTHING AND BOOTS	AP090418	4269	Uniforms	226.48
ROSE LANDSCAPE DESIGN	DARIEN POINTE LANDSCAPE	AP090418	4223	Maintenance - Building	1,484.00
SITE ONE LANDSCAPE SUPPLY	LANDSCAPE PAVERS- CITY HALL	AP090418	4223	Maintenance - Building	2,439.63
TAMELING INDUSTRIES	BALE OF STRAW	AP090418	4257	Supplies - Other	10.25
THOMAS ROOFING CO.	ROOF REPAIRS -CITY HALL	AP090418	4223	Maintenance - Building	870.00
TOTAL SAFETY U.S. INC	AIR TESTER	AP090418	4219	Liability Insurance	529.00
TRAFFIC CONTROL AND PROTECTION	SPEED LIMIT SIGNS	AP090418	4257	Supplies - Other	542.60

CITY OF DARIEN
Expenditure Journal
General Fund
Public Works, Streets
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
TRAFFIC CONTROL AND PROTECTION	SIGNAGE- FAIRVIEW SCHOOL	AP090418	4257	Supplies - Other	252.70
TRAFFIC CONTROL AND PROTECTION	ZONE SIGNS -FAIRVIEW SCHOOL	AP090418	4257	Supplies - Other	542.60
TRAFFIC CONTROL AND PROTECTION	ZONE SIGNS -FAIRVIEW SCHOOL	AP090418-4	4257	Supplies - Other	542.60
TRAFFIC CONTROL AND PROTECTION	SIGNAGE -FAIRVIEW SCHOOL	AP090418-4	4257	Supplies - Other	252.70
TRAFFIC CONTROL AND PROTECTION	CREDIT VOIDED AMOUNT-REDO CHECK	APCREDIT090...	4257	Supplies - Other	(542.60)
TRAFFIC CONTROL AND PROTECTION	CREDIT VOIDED AMOUNT-REDO CHECK	APCREDIT090...	4257	Supplies - Other	(542.60)
TRAFFIC CONTROL AND PROTECTION	CREDIT VOIDED AMOUNT-REDO CHECK	APCREDIT090...	4257	Supplies - Other	(252.70)
UNIQUE PRODUCTS & SERVICE CORP	JANITORIAL SUPPLIES FOR POLICE DEPT	AP090418	4223	Maintenance - Building	146.74
UNIQUE PRODUCTS & SERVICE CORP	SOAP	AP090418	4223	Maintenance - Building	5.44
UNIQUE PRODUCTS & SERVICE CORP	TISSUES	AP090418	4223	Maintenance - Building	61.12
WL CONSTRUCTION SUPPLY INC	SAW BLADES	AP090418	4259	Small Tools & Equipment	274.80
				Total Public Works, Streets	21,704.73

CITY OF DARIEN
Expenditure Journal
General Fund
Police Department
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
ALPHA PRINTING	FTO DAILY TRAINING FORMS	AP090418	4235	Printing and Forms	86.00
ALTERNATIVE BUSINESS SUPPLIERS	COPIER/PRINTER SERVICE AGREEMENT	AP090418	4225	Maintenance - Equipment	1,485.00
CHRISTINE CHARKEWYCZ	PROSECUTION FEES - JULY 2018	AP090418	4219	Liability Insurance	1,110.00
DUPAGE COUNTY ANIMAL CONTROL	PICK-UP AND BOARDING -CAT	AP090418	4201	Animal Control	540.00
DUPAGE COUNTY ANIMAL CONTROL	PICKUP AND BOARDING CAT	AP090418-3	4201	Animal Control	170.00
DUPAGE COUNTY ANIMAL CONTROL	PICK-UP AND BOARDING -CAT	APVOID090418	4201	Animal Control	(540.00)
JUST TIRES	TIRES FOR POLICE DEPT	AP090418	4229	Maintenance - Vehicles	1,318.24
KAESER & BLAIR INCORPORATED	KEYTAGS FOR NATIONAL NIGHT OUT	AP090418	4239	Public Relations	540.00
LEXIPOL LLC	LEXIPOL SOFTWARE RENEWAL (7-1-18 thru 6-30-19)	AP090418	4325	Consulting/Professional	7,994.00
MATTHEW RUNDELL	RUNDELL- MEALS WHILE TRAINING IN WISCONSIN	AP090418	4265	Travel/Meetings	66.74
MATTHEW RUNDELL	RUNDELL -GAS FOR D24 -TRAINING IN WISCONSIN	AP090418	4265	Travel/Meetings	45.21
MATTHEW RUNDELL	RUNDELL -SHIRTS (Under Armour and Eddie Bauer)	AP090418	4269	Uniforms	63.53
PUBLIC SAFETY DIRECT	CAMERA ISSUES - D4	AP090418	4229	Maintenance - Vehicles	50.00
RAY O'HERRON CO. INC.	WHITESIDES- REMOVE OLD PATCHES, SEW ON NEW	AP090418	4203	Auxiliary Police	21.00
RAY O'HERRON CO. INC.	ZIMNY -HOLSTERS, POUCHES	AP090418	4269	Uniforms	278.94
RAY O'HERRON CO. INC.	RUNDELL - PANTS	AP090418	4269	Uniforms	74.95

CITY OF DARIEN
Expenditure Journal
General Fund
Police Department
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
RAY O'HERRON CO. INC.	STUTTE- CAP, GLOVES	AP090418	4269	Uniforms	198.49
RAY O'HERRON CO. INC.	MURPHY- RETIREMENT BADGE	AP090418	4269	Uniforms	65.85
RAY O'HERRON CO. INC.	SKWERES - ALTERATIONS (Nametape, badge)	AP090418	4269	Uniforms	13.00
RAY O'HERRON CO. INC.	SIMEK - PANTS	AP090418	4269	Uniforms	74.99
RAY O'HERRON CO. INC.	HELLMANN - PANTS	AP090418	4269	Uniforms	74.99
SCHWAAB, INC.	STAMPS FOR RECORDS DEPT	AP090418	4253	Supplies - Office	106.22
TOM & JERRY TIRE AND SERVICE	TOWING FEE FOR D5	AP090418	4229	Maintenance - Vehicles	113.00
VILLAGE OF LEMONT	VILLAGE OF LEMONT RANGE FEES	AP090418	4243	Rent - Equipment	300.00
WESTOWN AUTO SUPPLY COMPANY	FILTERS	AP090418	4229	Maintenance - Vehicles	<u>35.96</u>
				Total Police Department	<u>14,286.11</u>
				Total General Fund	<u>57,320.49</u>

CITY OF DARIEN
Expenditure Journal
Water Fund
Public Works, Water
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
ALARM DETECTION SYSTEMS INC	ALARM QUARTERLY	AP090418	4223	Maintenance - Building	190.02
ALARM DETECTION SYSTEMS INC	INSTALLATION -AES BURGLAR ALARM DEVICE	AP090418	4223	Maintenance - Building	1,446.88
ASSOCIATED TECHNICAL SERVICES	HYDRANT GIS	AP090418	4326	Leak Detection	8,326.80
CHEMSEARCH	PUBLIC WORKS MAINTENANCE	AP090418	4223	Maintenance - Building	115.77
CINTAS FIRST AID AND SAFETY	REPLENISH FIRST AID CABINET	AP090418	4219	Liability Insurance	154.91
COM ED	COM ED 3118112014 - 2103 75TH ST PUMPING STATION	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	207.91
COM ED	COM ED 0269155053 2101 W 75TH ST PUMP STATION	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	66.47
DYNEGY ENERGY SERVICES	ENERGY- 18W736 MANNING	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	82.62
DYNEGY ENERGY SERVICES	ENERGY- 1220 PLAINFIELD RD	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	2,420.90
DYNEGY ENERGY SERVICES	ENERGY- LAKEVIEW / OAKLEY	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	32.79
DYNEGY ENERGY SERVICES	ENERGY- 9S720 LEMONT RD	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	75.99
DYNEGY ENERGY SERVICES	ENERGY- 87TH and RIDGE RD	AP090418	4271	Utilities (Elec,Gas,Wtr,Sewer)	69.65
FREEWAY FORD-STERLING TRUCK	PARTS FOR 408	AP090418	4229	Maintenance - Vehicles	334.35
GENE'S TIRE & AUTO REPAIR	3 TIRES FOR 410	AP090418	4229	Maintenance - Vehicles	365.67
HAWKINS INC	CHLORINE ANALYZER	AP090418	4225	Maintenance - Equipment	701.50
HEINRICH VILLANUEVA	REIMBURSE FOR CONCRETE (B-BOX NOT KEYABLE)	AP090418	4231	Maintenance - Water System	874.80
JOHNSON CONTROL SECURITY (ADT)	FINAL PAYMENT -JULY 2018	AP090418	4223	Maintenance - Building	107.94
KARA COMPANY, INC.	SHOVELS, SPADES	AP090418	4255	Supplies - Operation	154.86
LAWSON PRODUCTS INCORPORATED	BOLTS FOR VALVES	AP090418	4231	Maintenance - Water System	981.30

CITY OF DARIEN
Expenditure Journal
Water Fund
Public Works, Water
From 9/4/2018 Through 9/4/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
NICOR GAS	NICOR 05002110004 1930 MANNING RD (PLANTS 3 & 4)	AP090418	4271	Utilities (Elec, Gas, Wtr, Sewer)	39.75
NICOR GAS	NICOR 90841110001 1041 S FRONTAGE (PUBLIC WORKS)	AP090418	4271	Utilities (Elec, Gas, Wtr, Sewer)	52.63
NICOR GAS	NICOR 21710264942 1220 PLAINFIELD RD (PLANT 2)	AP090418	4271	Utilities (Elec, Gas, Wtr, Sewer)	31.08
PATTEN INDUSTRIES, INC.	MARS LIGHT	AP090418	4229	Maintenance - Vehicles	130.45
RED WING SHOES	BOOTS -TUTTLE	AP090418	4219	Liability Insurance	250.00
RED WING SHOES	CLOTHES-TUTTLE	AP090418	4269	Uniforms	263.70
SIKICH PROFESSIONAL SERVICES	PROFESSIONAL SERVICE RENDERED -PROGRESS BILLING THRU 8-14-18	AP090418	4320	Audit	4,500.00
WATER RESOURCES, INC.	BATTERY PACK	AP090418	4880	Water Meter Purchases	<u>91.12</u>
				Total Public Works, Water	<u>22,069.86</u>
				Total Water Fund	<u>22,069.86</u>

CITY OF DARIEN
Expenditure Journal
Motor Fuel Tax
MFT Expenses
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
NORWALK TANK	FRAME & GRATE -CITY HALL	AP090418	4257	Supplies - Other	1,535.60
NORWALK TANK	SPECIAL CASTINGS	AP090418	4257	Supplies - Other	598.50
NORWALK TANK	YARD DRAIN PLUG	AP090418	4257	Supplies - Other	179.40
ORANGE CRUSH LLC	ROAD PATCH	AP090418	4245	Road Material	314.60
SUPERIOR ROAD STRIPING, INC.	FINAL INVOICE - 2018 STRIPING	AP090418	4261	Pavement Striping	8,961.11
				Total MFT Expenses	11,589.21
				Total Motor Fuel Tax	11,589.21

CITY OF DARIEN
Expenditure Journal
State Drug Forfeiture Fund
Drug Forfeiture Expenditures
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
SHELL	GAS FOR POLICE DEPT	AP090418	4273	Vehicle (Gas and Oil)	291.66
				Total Drug Forfeiture Expenditures	291.66
				Total State Drug Forfeiture Fund	291.66

CITY OF DARIEN
Expenditure Journal
Water Depreciation Fund
Depreciation Expenses
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
ASSOCIATED TECHNICAL SERVICES	VALVE EXERCISING PROGRAM	AP090418	4390	Capital Improv-Infrastructure	17,360.50
				Total Depreciation Expenses	17,360.50
				Total Water Depreciation Fund	17,360.50

CITY OF DARIEN
Expenditure Journal
Federal Equitable Sharing Fund
Drug Forfeiture Expenditures
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
BRITE	17 SCREEN PROTECTORS FOR SQUAD COMPUTERS	AP090418	4213	Dues and Subscriptions	629.00
				Total Drug Forfeiture Expenditures	629.00
				Total Federal Equitable Sharing Fund	629.00

CITY OF DARIEN
Expenditure Journal
DUI Technology Fund
Police Department
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
APPLIED CONCEPTS, INC.	14 RADAR SYSTEMS FOR SQUADS	AP090418	4815	Equipment	19,554.00
				Total Police Department	19,554.00
				Total DUI Technology Fund	19,554.00

CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 9/4/2018 Through 9/4/2018

Vendor Name	Invoice Description	Session ID	Acct Code	Acct Title	Dept Amount
ANDREW J KELLY	REIMBURSEMENT-SID...	AP090418	4380	Sidewalk Replacement Progr...	241.50
ANDREW J KELLY	REIMBURSEMENT- CURB & GUTTER	AP090418	4383	Curb & Gutter Replacement ...	101.75
DAS ENTERPRISES, INC.	DITCH PROJECT: DEVONSHIRE HAULING (8-27-18)	AP090418	4376	Ditch Projects	724.05
DAS ENTERPRISES, INC.	DITCH PROJECT: CLARENDON HILLS RD (8-16 and 8-17-18)	AP090418	4376	Ditch Projects	3,740.93
DAS ENTERPRISES, INC.	DITCH PROJECT: HAULING (7-31-18)	AP090418	4376	Ditch Projects	1,609.00
DAS ENTERPRISES, INC.	DITCH PROJECT: CLARENDON HILLS (8-20 and 8-21-18)	AP090418	4376	Ditch Projects	3,177.78
DE BOLD TOPSOIL AND TRUCKING	DITCH PROJECT: CLARENDON HILLS TOPSOIL	AP090418	4376	Ditch Projects	350.00
DUPAGE TOPSOIL, INC.	DITCH PROJECT: TOPSOIL FOR CLARENDON HILLS RD	AP090418	4376	Ditch Projects	9,100.00
GRADE A	DIRT AND SOD FOR HAYENGA/BAKER CT	AP090418	4376	Ditch Projects	2,800.00
GRADE A	CONST PROJ-DEVONSHIRE WALL REMOVAL 7909 KNOTTINGHAM	AP090418	4376	Ditch Projects	895.00
JC LANDSCAPING/TREE SERVICE	LANDSCAPE GRAVEL- 71ST STREET	AP090418	4376	Ditch Projects	650.00
JC LANDSCAPING/TREE SERVICE	DITCH PROJECT: CLARENDON HILLS LANDSCAPE	AP090418-2	4376	Ditch Projects	7,280.00
NORWALK TANK	CONST PROJ: DEVONSHIRE PIPE	AP090418	4376	Ditch Projects	3,640.56
SCORPIO CONSTRUCTION CORP	RIP RAP FOR JANET AVE	AP090418	4376	Ditch Projects	4,044.60

CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
SCORPIO CONSTRUCTION CORP	EMERG PIPE REPAIR @ ELM /JANET	AP090418	4376	Ditch Projects	24,495.00
SCORPIO CONSTRUCTION CORP	DITCH PROJECT: CLARENDON HILLS FLAGGING/ASPHALT PATCH	AP090418	4376	Ditch Projects	22,900.00
SCORPIO CONSTRUCTION CORP	APRONS AND ROAD PATCH	AP090418	4376	Ditch Projects	434.00
SCORPIO CONSTRUCTION CORP	EMERG ELM REPAIR	AP090418	4376	Ditch Projects	2,023.68
SCORPIO CONSTRUCTION CORP	APRONS AND ROAD PATCH	AP090418	4376	Ditch Projects	1,243.72
VULCAN CONSTRUCTION MATERIALS	STONE FOR DEVONSHIRE AND ELM	AP090418	4376	Ditch Projects	5,788.94
VULCAN CONSTRUCTION MATERIALS	STONE FOR DEVONSHIRE AND ELM	AP090418	4376	Ditch Projects	1,628.61
VULCAN CONSTRUCTION MATERIALS	STONE FOR ELM AND JANET	AP090418	4376	Ditch Projects	3,788.94
WELCH BROS INC	DEVONSHIRE STORM SEWER	AP090418	4376	Ditch Projects	5,995.81
WELCH BROS INC	DITCH PROJECT: GASKETS FOR ELM	AP090418	4376	Ditch Projects	1,456.00
WELCH BROS INC	DITCH PROJECT: GASKETS FOR ELM	AP090418	4376	Ditch Projects	2,620.80
WILLCO GREEN LLC	DISPOSAL OF SPOILS	AP090418	4376	Ditch Projects	756.00
WILLCO GREEN LLC	DITCH PROJECT: CLARENDON HILLS -DUMP FEES	AP090418	4376	Ditch Projects	864.00
WILLCO GREEN LLC	DITCH PROJECT: CLARENDON HILLS DUMP FEES	AP090418	4376	Ditch Projects	594.00
ZIEBELL WATER SERVICE PRODUCTS	CONST PROJ: DEVONSHIRE -CURB, COUPLINGS, COPPER TUBING	AP090418	4376	Ditch Projects	6,417.00

CITY OF DARIEN
Expenditure Journal
Capital Improvement Fund
Capital Fund Expenditures
From 9/4/2018 Through 9/4/2018

<u>Vendor Name</u>	<u>Invoice Description</u>	<u>Session ID</u>	<u>Acct Code</u>	<u>Acct Title</u>	<u>Dept Amount</u>
				Total Capital Fund Expenditures	119,361.67
				Total Capital Improvement Fund	119,361.67
Report Total					248,176.39

**PRELIMINARY
CITY OF DARIEN
REVENUE AND EXPENDITURE REPORT SUMMARY
July 31, 2018**

GENERAL FUND - (01)

	Current Month <u>Actual</u>	Year To Date <u>Actual</u>	Total <u>Budget</u>
Revenue	\$ 1,249,514	\$ 4,716,155	\$ 14,938,182
Expenditures	\$ 1,151,195	\$ 3,350,828	\$ 13,302,791
Audited 5/1/18 Opening Fund Balance:			\$ 4,281,317
Transfer to Capital Fund			\$ (2,450,000)
Current Fund Balance:			\$ 3,196,644

WATER FUND - (02)

	Current Month <u>Actual</u>	Year To Date <u>Actual</u>	Total <u>Budget</u>
Revenue	\$ 22,499	\$ 2,431,582	\$ 8,053,878
Expenditures	\$ 927,651	\$ 1,596,867	\$ 7,314,888
Audited 5/1/18 Cash Balance			\$ 1,460,625
Transfer to Water Depreciation Fund			\$ (430,000)
Current Modified Cash Balance:			\$ 1,865,340

MOTOR FUEL TAX FUND - (03)

	Current Month <u>Actual</u>	Year To Date <u>Actual</u>	Total <u>Budget</u>
Revenue	\$ 43,139	\$ 141,220	\$ 553,150
Expenditures	\$ 21,726	\$ 86,252	\$ 527,535
Audited 5/1/18 Opening Fund Balance:			\$ 389,439
Current Fund Balance:			\$ 444,407

WATER DEPRECIATION FUND (12)

	Current Month <u>Actual</u>	Year To Date <u>Actual</u>	Total <u>Budget</u>
Revenue	\$ 3,087	\$ 3,443,022	\$ 3,500,000
Expenditures	\$ 393,116	\$ 703,189	\$ 1,608,000
Audited 5/1/18 Cash Balance			\$ (315,956)
Transfer from Water Fund			\$ 430,000
Current Modified Cash Balance:			\$ 2,853,876

CAPITAL IMPROVEMENT FUND (25)

	Current Month <u>Actual</u>	Year To Date <u>Actual</u>	Total <u>Budget</u>
Revenue	\$ 7,490	\$ 123,133	\$ 218,427
Expenditures	\$ 1,294,495	\$ 2,410,517	\$ 4,244,868
Audited 5/1/18 Opening Fund Balance:			\$ 6,122,046
Transfer from General Fund			\$ 2,450,000
Current Fund Balance:			\$ 6,284,662

	Current Actual Year to Date	Current Budgeted F.Y.E. '19	Prior Year Actual Through July 17
Property Tax Collections	\$ 1,312,875	\$ 2,382,223	\$ 1,258,108
Sales Tax Collections	\$ 1,315,576	\$ 5,509,413	\$ 1,259,433
Drug forfeiture Receipts	\$ 20,450	\$ -	\$ 5,391

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
General Fund
Revenue
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue								
Taxes								
Real Estate Taxes - Current	3110	27,732.00	181,983.00	1,204,618.42	727,932.00	2,183,796.00	(979,177.58)	44.83%
Road and Bridge Tax	3120	2,586.05	17,085.00	113,734.80	68,335.00	205,000.00	(91,265.20)	44.51%
Municipal Utility Tax	3130	74,576.45	66,000.00	237,825.26	208,000.00	985,000.00	(747,174.74)	75.85%
Amusement Tax	3140	7,267.37	7,100.00	23,696.25	21,900.00	82,000.00	(58,303.75)	71.10%
Hotel/Motel Tax	3150	7,618.61	9,200.00	18,182.57	24,900.00	75,000.00	(56,817.43)	75.75%
Local Gas Tax	3151	27,789.22	25,833.00	79,427.58	77,499.00	310,000.00	(230,572.42)	74.37%
Food and Beverage Tax	3152	56,392.23	52,000.00	157,332.53	156,000.00	580,000.00	(422,667.47)	72.87%
Personal Property Tax	3425	1,072.08	1,100.00	2,447.93	2,200.00	6,500.00	(4,052.07)	62.33%
Total Taxes		205,034.01	360,301.00	1,837,265.34	1,286,766.00	4,427,296.00	(2,590,030.66)	58.50%
License, Permits, Fees								
Business Licenses	3210	1,460.00	100.00	6,387.50	6,100.00	38,000.00	(31,612.50)	83.19%
Liquor License	3212	0.00	0.00	71,075.00	66,500.00	66,500.00	4,575.00	(6.87)%
Contractor Licenses	3214	1,500.00	2,300.00	8,040.00	11,300.00	20,000.00	(11,960.00)	59.80%
Court Fines	3216	15,466.93	12,000.00	37,950.44	30,000.00	100,000.00	(62,049.56)	62.04%
Towing Fees	3217	10,500.00	3,000.00	21,000.00	9,500.00	37,000.00	(16,000.00)	43.24%
Ordinance Fines	3230	1,575.00	1,200.00	4,675.00	5,700.00	20,000.00	(15,325.00)	76.62%
Building Permits and Fees	3240	13,500.00	10,000.00	41,264.00	30,000.00	35,000.00	6,264.00	(17.89)%
Telecommunication Taxes	3242	45,513.40	50,000.00	138,279.33	154,000.00	590,000.00	(451,720.67)	76.56%
Cable T.V. Franchise Fee	3244	106,728.65	75,000.00	111,575.56	102,400.00	452,800.00	(341,224.44)	75.35%
PEG - Fees - AT&T	3245	2,776.13	0.00	2,776.13	0.00	0.00	2,776.13	0.00%
NICOR Franchise Fee	3246	0.00	0.00	0.00	0.00	25,000.00	(25,000.00)	100.00%
Public Hearing Fees	3250	100.00	500.00	1,150.00	500.00	5,000.00	(3,850.00)	77.00%
Elevator Inspections	3255	0.00	0.00	(125.00)	0.00	4,500.00	(4,625.00)	102.77%
Engineering/Prof Fee Reimb	3265	4,750.99	12,000.00	13,813.25	50,000.00	74,000.00	(60,186.75)	81.33%
D.U.I. Technology Fines	3267	1,024.53	1,100.00	1,393.00	2,100.00	6,500.00	(5,107.00)	78.56%
Police Special Service	3268	13,654.61	5,000.00	27,375.99	26,000.00	99,597.00	(72,221.01)	72.51%
Developer Contribution/Impact	3275	0.00	20.00	0.00	60.00	200.00	(200.00)	100.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
General Fund
Revenue
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Total License, Permits, Fees		<u>218,550.24</u>	<u>172,220.00</u>	<u>486,630.20</u>	<u>494,160.00</u>	<u>1,574,097.00</u>	<u>(1,087,466.80)</u>	<u>69.09%</u>
Intergovernmental								
State Income Tax	3410	189,203.84	202,500.00	632,048.63	652,600.00	2,053,998.00	(1,421,949.37)	69.22%
Local Use Tax	3420	45,600.80	42,000.00	141,113.77	124,000.00	545,524.00	(404,410.23)	74.13%
Sales Taxes	3430	459,813.66	442,000.00	1,315,576.28	1,271,000.00	5,509,413.00	(4,193,836.72)	76.12%
Video Gaming Revenue	3432	<u>16,471.96</u>	<u>12,000.00</u>	<u>48,737.39</u>	<u>35,000.00</u>	<u>140,000.00</u>	<u>(91,262.61)</u>	<u>65.18%</u>
Total Intergovernmental		<u>711,090.26</u>	<u>698,500.00</u>	<u>2,137,476.07</u>	<u>2,082,600.00</u>	<u>8,248,935.00</u>	<u>(6,111,458.93)</u>	<u>74.09%</u>
Other Revenue								
Interest Income	3510	4,224.30	425.00	11,315.90	1,275.00	5,000.00	6,315.90	(126.31)%
Gain/Loss on Investment	3515	1.79	0.00	43.04	0.00	0.00	43.04	0.00%
Water Share Expense	3520	20,833.34	20,833.34	62,500.02	62,500.02	250,000.00	(187,499.98)	74.99%
Police Report/Prints	3534	510.00	420.00	1,410.00	1,260.00	5,000.00	(3,590.00)	71.80%
Reimbursement-Rear Yard Drain	3541	(92.46)	0.00	(149.81)	0.00	0.00	(149.81)	0.00%
Grants	3560	741.44	0.00	2,353.05	0.00	0.00	2,353.05	0.00%
Rents	3561	49,161.83	23,921.00	122,079.80	71,763.00	324,853.00	(202,773.20)	62.41%
Other Reimbursements	3562	356.17	3,750.00	2,010.02	11,250.00	45,000.00	(42,989.98)	95.53%
Residential Concrete Reimb	3563	37,729.58	0.00	37,729.58	0.00	0.00	37,729.58	0.00%
Miscellaneous - Reimbursable	3568	60.26	0.00	8,011.54	0.00	0.00	8,011.54	0.00%
Mail Box Reimbursement Program	3569	95.38	0.00	763.04	0.00	0.00	763.04	0.00%
Impact Fee Revenue	3570	0.00	0.00	125.00	0.00	0.00	125.00	0.00%
Sales of Wood Chips	3572	365.00	500.00	1,795.00	2,500.00	3,000.00	(1,205.00)	40.16%
Sale of Equipment	3575	0.00	3,500.00	0.00	17,500.00	35,000.00	(35,000.00)	100.00%
Miscellaneous Revenue	3580	<u>852.50</u>	<u>1,600.00</u>	<u>4,797.03</u>	<u>5,000.00</u>	<u>20,000.00</u>	<u>(15,202.97)</u>	<u>76.01%</u>
Total Other Revenue		<u>114,839.13</u>	<u>54,949.34</u>	<u>254,783.21</u>	<u>173,048.02</u>	<u>687,853.00</u>	<u>(433,069.79)</u>	<u>62.96%</u>
Total Revenue		<u>1,249,513.64</u>	<u>1,285,970.34</u>	<u>4,716,154.82</u>	<u>4,036,574.02</u>	<u>14,938,181.00</u>	<u>...,222,026.18)</u>	<u>68.43%</u>

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Water Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Charges for Services							
Water Sales	3310 17,032.53	1,324,563.00	2,414,045.80	2,664,126.00	8,037,378.00	(5,623,332.20)	69.96%
Inspections/Tap on/Permits	3320 0.00	833.00	1,700.00	2,499.00	10,000.00	(8,300.00)	83.00%
Sale of Meters	3325 513.00	0.00	3,088.00	1,175.00	3,500.00	(412.00)	11.77%
Other Water Sales	3390 1,909.19	83.00	1,909.19	249.00	1,000.00	909.19	(90.91)%
Total Charges for Services	19,454.72	1,325,479.00	2,420,742.99	2,668,049.00	8,051,878.00	(5,631,135.01)	69.94%
Other Revenue							
Interest Income	3510 3,044.57	166.00	10,839.12	498.00	2,000.00	8,839.12	(441.95)%
Total Other Revenue	3,044.57	166.00	10,839.12	498.00	2,000.00	8,839.12	(441.96)%
Total Revenue	22,499.29	1,325,645.00	2,431,582.11	2,668,547.00	8,053,878.00	(5,622,295.89)	69.81%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Motor Fuel Tax
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining	
Revenue								
Intergovernmental								
MFT Allotment	3440	42,658.31	46,012.50	139,766.22	138,037.50	552,150.00	(412,383.78)	74.68%
Total Intergovernmental		42,658.31	46,012.50	139,766.22	138,037.50	552,150.00	(412,383.78)	74.69%
Other Revenue								
Interest Income	3510	480.94	83.00	1,453.73	249.00	1,000.00	453.73	(45.37)%
Total Other Revenue		480.94	83.00	1,453.73	249.00	1,000.00	453.73	(45.37)%
Total Revenue		43,139.25	46,095.50	141,219.95	138,286.50	553,150.00	(411,930.05)	74.47%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Impact Fee Agency Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510 6.39	0.00	17.82	0.00	0.00	17.82	0.00%
Total Other Revenue	6.39	0.00	17.82	0.00	0.00	17.82	0.00%
Total Revenue	6.39	0.00	17.82	0.00	0.00	17.82	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Stormwater Management Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510 86.94	0.00	242.43	0.00	0.00	242.43	0.00%
Total Other Revenue	86.94	0.00	242.43	0.00	0.00	242.43	0.00%
Total Revenue	86.94	0.00	242.43	0.00	0.00	242.43	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Special Service Area Tax Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Taxes							
Real Estate Taxes - Current	3110 49.52	416.00	2,836.34	1,666.00	5,000.00	(2,163.66)	43.27%
Total Taxes	49.52	416.00	2,836.34	1,666.00	5,000.00	(2,163.66)	43.27%
Other Revenue							
Interest Income	3510 16.10	8.00	45.07	24.00	100.00	(54.93)	54.93%
Total Other Revenue	16.10	8.00	45.07	24.00	100.00	(54.93)	54.93%
Total Revenue	65.62	424.00	2,881.41	1,690.00	5,100.00	(2,218.59)	43.50%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
State Drug Forfeiture Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining	
Revenue								
Other Revenue								
Interest Income	3510	5.21	0.00	43.43	0.00	0.00	43.43	0.00%
Drug Forfeiture Receipts	3538	598.22	0.00	598.22	0.00	0.00	598.22	0.00%
Total Other Revenue	<u>603.43</u>	<u>0.00</u>	<u>641.65</u>	<u>0.00</u>	<u>0.00</u>	<u>641.65</u>	<u>0.00%</u>	
Total Revenue	603.43	0.00	641.65	0.00	0.00	641.65	0.00%	

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Water Depreciation Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510 3,085.85	0.00	2,438.18	0.00	0.00	2,438.18	0.00%
Gain/Loss on Investment	3515 0.77	0.00	18.44	0.00	0.00	18.44	0.00%
Bond Issuance	3559 0.00	0.00	3,440,564.90	3,500,000.00	3,500,000.00	(59,435.10)	1.69%
Transfer from Water Fund	3610 430,000.00	0.00	430,000.00	430,000.00	430,000.00	0.00	0.00%
Total Other Revenue	<u>433,086.62</u>	<u>0.00</u>	<u>3,873,021.52</u>	<u>3,930,000.00</u>	<u>3,930,000.00</u>	<u>(56,978.48)</u>	<u>1.45%</u>
Total Revenue	433,086.62	0.00	3,873,021.52	3,930,000.00	3,930,000.00	(56,978.48)	1.45%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Federal Equitable Sharing Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510	410.44	0.00	1,023.59	0.00	1,023.59	0.00%
Drug Forfeiture Receipts	3538	0.00	0.00	1,641.64	0.00	1,641.64	0.00%
Total Other Revenue	<u>410.44</u>	<u>0.00</u>	<u>2,665.23</u>	<u>0.00</u>	<u>0.00</u>	<u>2,665.23</u>	<u>0.00%</u>
Total Revenue	410.44	0.00	2,665.23	0.00	0.00	2,665.23	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Seized Assets Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510 51.25	0.00	118.24	0.00	0.00	118.24	0.00%
Total Other Revenue	51.25	0.00	118.24	0.00	0.00	118.24	0.00%
Total Revenue	51.25	0.00	118.24	0.00	0.00	118.24	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
DOT - Federal Equitable Sharin
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510	24.20	0.00	24.20	0.00	24.20	0.00%
Drug Forfeiture Receipts	3538	0.00	18,210.33	0.00	0.00	18,210.33	0.00%
Total Other Revenue	<u>24.20</u>	<u>0.00</u>	<u>18,234.53</u>	<u>0.00</u>	<u>0.00</u>	<u>18,234.53</u>	<u>0.00%</u>
Total Revenue	24.20	0.00	18,234.53	0.00	0.00	18,234.53	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
DUI Technology Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
License, Permits, Fees							
D.U.I. Technology Fines	3267	662.13	0.00	2,410.35	0.00	2,410.35	0.00%
Total License, Permits, Fees	662.13	0.00	2,410.35	0.00	0.00	2,410.35	0.00%
Other Revenue							
Interest Income	3510	122.03	0.00	122.03	0.00	122.03	0.00%
Total Other Revenue	122.03	0.00	122.03	0.00	0.00	122.03	0.00%
Total Revenue	784.16	0.00	2,532.38	0.00	0.00	2,532.38	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
E-Citation Fund
Revenue
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue							
Other Revenue							
Interest Income	3510 9.74	0.00	9.74	0.00	0.00	9.74	0.00%
Total Other Revenue	9.74	0.00	9.74	0.00	0.00	9.74	0.00%
Total Revenue	9.74	0.00	9.74	0.00	0.00	9.74	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Revenue
Capital Improvement Fund
Revenue
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Revenue								
Taxes								
Real Estate Taxes - Current	3110	2,055.05	16,119.00	105,420.71	64,475.00	193,427.00	(88,006.29)	45.49%
Total Taxes		2,055.05	16,119.00	105,420.71	64,475.00	193,427.00	(88,006.29)	45.50%
Other Revenue								
Interest Income	3510	5,435.09	2,083.00	17,712.15	6,249.00	25,000.00	(7,287.85)	29.15%
Transfer from Other Funds	3612	2,450,000.00	0.00	2,450,000.00	2,450,000.00	2,450,000.00	0.00	0.00%
Total Other Revenue		2,455,435.09	2,083.00	2,467,712.15	2,456,249.00	2,475,000.00	(7,287.85)	0.29%
Total Revenue		2,457,490.14	18,202.00	2,573,132.86	2,520,724.00	2,668,427.00	(95,294.14)	3.57%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Administration
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	22,047.22	23,867.16	62,561.62	71,601.48	286,406.00	223,844.38	78.15%
Total Salaries		22,047.22	23,867.16	62,561.62	71,601.48	286,406.00	223,844.38	78.16%
Benefits								
Social Security	4110	1,266.13	1,753.25	3,667.76	5,259.75	21,039.00	17,371.24	82.56%
Medicare	4111	296.14	346.08	857.79	1,038.24	4,153.00	3,295.21	79.34%
I.M.R.F.	4115	2,729.45	3,024.00	7,937.18	9,072.00	36,288.00	28,350.82	78.12%
Medical/Life Insurance	4120	6,245.37	5,756.66	18,394.21	17,269.98	69,080.00	50,685.79	73.37%
Supplemental Pensions	4135	92.30	400.00	276.90	1,200.00	4,800.00	4,523.10	94.23%
Total Benefits		10,629.39	11,279.99	31,133.84	33,839.97	135,360.00	104,226.16	77.00%
Materials and Supplies								
Dues and Subscriptions	4213	10.00	28.00	10.00	364.00	1,490.00	1,480.00	99.32%
Liability Insurance	4219	385.68	2,499.00	528.68	7,497.00	311,639.00	311,110.32	99.83%
Legal Notices	4221	100.00	166.00	301.00	498.00	2,000.00	1,699.00	84.95%
Maintenance - Equipment	4225	140.67	199.00	140.67	597.00	7,900.00	7,759.33	98.21%
Postage/Mailings	4233	0.00	70.50	1,470.00	211.50	3,350.00	1,880.00	56.11%
Printing and Forms	4235	0.00	350.00	924.24	1,050.00	4,200.00	3,275.76	77.99%
Public Relations	4239	5,000.00	5,124.00	6,300.00	8,633.00	34,170.00	27,870.00	81.56%
Rent - Equipment	4243	0.00	0.00	254.82	504.75	2,019.00	1,764.18	87.37%
Supplies - Office	4253	415.63	666.00	555.19	1,998.00	8,000.00	7,444.81	93.06%
Supplies - Other	4257	0.00	41.00	0.00	123.00	500.00	500.00	100.00%
Training and Education	4263	0.00	166.00	0.00	498.00	2,000.00	2,000.00	100.00%
Travel/Meetings	4265	0.00	46.00	0.00	136.00	550.00	550.00	100.00%
Telephone	4267	2,895.12	4,265.00	7,084.92	12,795.00	51,200.00	44,115.08	86.16%
Utilities (Elec,Gas,Wtr,Sewer)	4271	0.00	250.00	0.00	750.00	3,000.00	3,000.00	100.00%
Vehicle (Gas and Oil)	4273	0.00	54.00	33.25	162.00	650.00	616.75	94.88%
Total Materials and Supplies		8,947.10	13,924.50	17,602.77	35,817.25	432,668.00	415,065.23	95.93%
Contractual								
Audit	4320	13,200.00	0.00	13,200.00	0.00	13,200.00	0.00	0.00%
Consulting/Professional	4325	20,555.82	24,844.50	55,466.67	80,533.50	304,750.00	249,283.33	81.79%
Contingency	4330	0.00	833.00	0.00	2,499.00	10,000.00	10,000.00	100.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Administration
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Janitorial Service	4345 1,500.00	1,766.00	3,000.00	5,298.00	20,500.00	17,500.00	85.36%
Total Contractual	35,255.82	27,443.50	71,666.67	88,330.50	348,450.00	276,783.33	79.43%
Other Charges							
Transfer to Other Funds	4605 2,450,000.00	0.00	2,450,000.00	0.00	0.00	(2,450,000.00)	0.00%
Total Other Charges	2,450,000.00	0.00	2,450,000.00	0.00	0.00	(2,450,000.00)	0.00%
Capital Outlay							
Equipment	4815 0.00	0.00	0.00	45,000.00	45,000.00	45,000.00	100.00%
Total Capital Outlay	0.00	0.00	0.00	45,000.00	45,000.00	45,000.00	100.00%
Total Expenditures	2,526,879.53	76,515.15	2,632,964.90	274,589.20	1,247,884.00	(1,385,080.90)	(110.99)%
Total	(2,526,879.53)	(76,515.15)	(2,632,964.90)	(274,589.20)	(1,247,884.00)	1,385,080.90	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
City Council
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	3,562.50	3,562.50	10,687.50	10,687.50	42,750.00	32,062.50	75.00%
Total Salaries		<u>3,562.50</u>	<u>3,562.50</u>	<u>10,687.50</u>	<u>10,687.50</u>	<u>42,750.00</u>	<u>32,062.50</u>	<u>75.00%</u>
Benefits								
Social Security	4110	220.88	221.00	662.63	662.00	2,651.00	1,988.37	75.00%
Medicare	4111	51.67	51.00	155.01	153.00	620.00	464.99	74.99%
Total Benefits		<u>272.55</u>	<u>272.00</u>	<u>817.64</u>	<u>815.00</u>	<u>3,271.00</u>	<u>2,453.36</u>	<u>75.00%</u>
Materials and Supplies								
Boards and Commissions	4205	0.00	83.00	27.00	249.00	2,000.00	1,973.00	98.65%
Cable Operations	4206	0.00	0.00	0.00	2,000.00	8,000.00	8,000.00	100.00%
Dues and Subscriptions	4213	0.00	0.00	0.00	20.00	2,850.00	2,850.00	100.00%
Public Relations	4239	2.18	250.00	2.18	250.00	500.00	497.82	99.56%
Training and Education	4263	0.00	83.00	0.00	249.00	1,000.00	1,000.00	100.00%
Travel/Meetings	4265	0.00	0.00	0.00	50.00	50.00	50.00	100.00%
Total Materials and Supplies		<u>2.18</u>	<u>416.00</u>	<u>29.18</u>	<u>2,818.00</u>	<u>14,400.00</u>	<u>14,370.82</u>	<u>99.80%</u>
Contractual								
Consulting/Professional	4325	413.50	166.00	326.00	498.00	5,000.00	4,674.00	93.48%
Trolley Contracts	4366	0.00	0.00	0.00	0.00	600.00	600.00	100.00%
Total Contractual		<u>413.50</u>	<u>166.00</u>	<u>326.00</u>	<u>498.00</u>	<u>5,600.00</u>	<u>5,274.00</u>	<u>94.18%</u>
Total Expenditures		<u>4,250.73</u>	<u>4,416.50</u>	<u>11,860.32</u>	<u>14,818.50</u>	<u>66,021.00</u>	<u>54,160.68</u>	<u>82.04%</u>
Total		(4,250.73)	(4,416.50)	(11,860.32)	(14,818.50)	(66,021.00)	(54,160.68)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Community Development
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	22,170.78	24,723.75	66,716.97	74,171.25	296,685.00	229,968.03	77.51%
Overtime	4030	0.00	41.00	0.00	123.00	500.00	500.00	100.00%
Total Salaries		<u>22,170.78</u>	<u>24,764.75</u>	<u>66,716.97</u>	<u>74,294.25</u>	<u>297,185.00</u>	<u>230,468.03</u>	<u>77.55%</u>
Benefits								
Social Security	4110	1,291.40	1,446.75	3,981.12	4,340.25	17,361.00	13,379.88	77.06%
Medicare	4111	302.02	359.00	931.07	1,077.00	4,316.00	3,384.93	78.42%
I.M.R.F.	4115	2,744.74	3,143.00	8,146.44	9,429.00	37,717.00	29,570.56	78.40%
Medical/Life Insurance	4120	4,269.01	4,113.50	12,558.27	12,340.50	49,362.00	36,803.73	74.55%
Supplemental Pensions	4135	0.00	300.00	0.00	900.00	3,600.00	3,600.00	100.00%
Total Benefits		<u>8,607.17</u>	<u>9,362.25</u>	<u>25,616.90</u>	<u>28,086.75</u>	<u>112,356.00</u>	<u>86,739.10</u>	<u>77.20%</u>
Materials and Supplies								
Boards and Commissions	4205	0.00	400.00	110.00	400.00	1,200.00	1,090.00	90.83%
Dues and Subscriptions	4213	0.00	0.00	0.00	0.00	500.00	500.00	100.00%
Liability Insurance	4219	1,430.00	1,916.00	1,430.00	5,748.00	23,000.00	21,570.00	93.78%
Maintenance - Vehicles	4229	0.00	41.00	0.00	123.00	500.00	500.00	100.00%
Printing and Forms	4235	0.00	140.50	420.00	419.50	1,865.00	1,445.00	77.47%
Economic Development	4240	303,111.39	0.00	303,111.39	0.00	278,000.00	(25,111.39)	(9.03)%
Supplies - Office	4253	17.59	75.00	17.59	225.00	900.00	882.41	98.04%
Training and Education	4263	149.00	0.00	149.00	0.00	550.00	401.00	72.90%
Travel/Meetings	4265	0.00	0.00	0.00	0.00	200.00	200.00	100.00%
Vehicle (Gas and Oil)	4273	0.00	112.50	124.25	337.50	1,350.00	1,225.75	90.79%
Total Materials and Supplies		<u>304,707.98</u>	<u>2,685.00</u>	<u>305,362.23</u>	<u>7,253.00</u>	<u>308,065.00</u>	<u>2,702.77</u>	<u>0.88%</u>
Contractual								
Consulting/Professional	4325	3,435.00	3,433.00	7,510.00	10,299.00	42,640.00	35,130.00	82.38%
ConsIt/Prof Reimbursable	4328	6,670.70	6,166.00	12,661.08	17,498.00	68,000.00	55,338.92	81.38%
Total Contractual		<u>10,105.70</u>	<u>9,599.00</u>	<u>20,171.08</u>	<u>27,797.00</u>	<u>110,640.00</u>	<u>90,468.92</u>	<u>81.77%</u>
Total Expenditures		<u>345,591.63</u>	<u>46,411.00</u>	<u>417,867.18</u>	<u>137,431.00</u>	<u>828,246.00</u>	<u>410,378.82</u>	<u>49.55%</u>
Total		(345,591.63)	(46,411.00)	(417,867.18)	(137,431.00)	(828,246.00)	(410,378.82)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Public Works, Streets
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	52,006.98	53,281.25	138,680.05	159,843.75	639,375.00	500,694.95	78.31%
Overtime	4030	6,509.46	5,833.00	16,307.22	17,499.00	70,000.00	53,692.78	76.70%
Total Salaries		<u>58,516.44</u>	<u>59,114.25</u>	<u>154,987.27</u>	<u>177,342.75</u>	<u>709,375.00</u>	<u>554,387.73</u>	<u>78.15%</u>
Benefits								
Social Security	4110	3,435.33	3,182.00	9,383.31	9,546.00	38,191.00	28,807.69	75.43%
Medicare	4111	803.48	744.00	2,194.63	2,232.00	8,932.00	6,737.37	75.42%
I.M.R.F.	4115	6,061.52	9,226.00	16,518.36	27,678.00	110,717.00	94,198.64	85.08%
Medical/Life Insurance	4120	10,914.39	9,946.75	32,107.19	29,840.25	119,361.00	87,253.81	73.10%
Supplemental Pensions	4135	92.30	200.00	276.90	600.00	2,400.00	2,123.10	88.46%
Total Benefits		<u>21,307.02</u>	<u>23,298.75</u>	<u>60,480.39</u>	<u>69,896.25</u>	<u>279,601.00</u>	<u>219,120.61</u>	<u>78.37%</u>
Materials and Supplies								
Liability Insurance	4219	1,837.07	1,507.50	2,817.20	4,519.50	23,029.00	20,211.80	87.76%
Maintenance - Building	4223	23,165.86	53,711.50	31,730.97	226,443.50	341,288.00	309,557.03	90.70%
Maintenance - Equipment	4225	2,207.81	3,038.00	2,624.13	9,114.00	36,500.00	33,875.87	92.81%
Maintenance - Vehicles	4229	7,688.25	4,000.00	10,623.40	12,000.00	48,000.00	37,376.60	77.86%
Postage/Mailings	4233	0.00	83.00	150.00	249.00	1,000.00	850.00	85.00%
Rent - Equipment	4243	0.00	1,974.00	2,812.00	5,922.00	23,700.00	20,888.00	88.13%
Supplies - Office	4253	0.00	253.75	317.57	759.25	3,053.00	2,735.43	89.59%
Supplies - Other	4257	6,775.45	30,173.75	11,187.45	97,021.25	138,165.00	126,977.55	91.90%
Small Tools & Equipment	4259	3,953.58	7,316.00	7,746.24	46,448.00	63,300.00	55,553.76	87.76%
Training and Education	4263	0.00	423.50	210.00	1,270.50	4,600.00	4,390.00	95.43%
Uniforms	4269	909.84	725.00	1,503.84	2,171.00	6,446.00	4,942.16	76.67%
Utilities (Elec,Gas,Wtr,Sewer)	4271	565.33	533.00	1,150.35	1,599.00	6,400.00	5,249.65	82.02%
Vehicle (Gas and Oil)	4273	0.00	5,025.00	4,093.82	15,075.00	60,300.00	56,206.18	93.21%
Total Materials and Supplies		<u>47,103.19</u>	<u>108,764.00</u>	<u>76,966.97</u>	<u>422,592.00</u>	<u>755,781.00</u>	<u>678,814.03</u>	<u>89.82%</u>
Contractual								
Consulting/Professional	4325	0.00	582.00	550.00	10,996.00	16,250.00	15,700.00	96.61%
Forestry	4350	5,983.83	13,082.00	5,983.83	41,746.00	65,411.00	59,427.17	90.85%
Street Light Oper & Maint.	4359	5,299.26	7,416.00	5,250.10	22,248.00	73,000.00	67,749.90	92.80%
Mosquito Abatement	4365	10,221.75	13,900.00	30,665.25	27,800.00	41,700.00	11,034.75	26.46%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Public Works, Streets
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Street Sweeping	4373 0.00	0.00	6,405.00	10,825.00	38,250.00	31,845.00	83.25%
Drainage Projects	4374 7,191.72	20,325.00	54,800.42	60,975.00	81,300.00	26,499.58	32.59%
Tree Trim/Removal	4375 1,190.00	61,343.00	1,190.00	184,029.00	306,715.00	305,525.00	99.61%
Total Contractual	29,886.56	116,648.00	104,844.60	358,619.00	622,626.00	517,781.40	83.16%
Capital Outlay							
Residential Concrete Program	4381 39,090.38	0.00	39,090.38	0.00	0.00	(39,090.38)	0.00%
Equipment	4815 0.00	0.00	72,356.00	526,900.00	526,900.00	454,544.00	86.26%
Total Capital Outlay	39,090.38	0.00	111,446.38	526,900.00	526,900.00	415,453.62	78.85%
Total Expenditures	195,903.59	307,825.00	508,725.61	1,555,350.00	2,894,283.00	2,385,557.39	82.42%
Total	(195,903.59)	(307,825.00)	(508,725.61)	(1,555,350.00)	(2,894,283.00)	(2,385,557.39)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Police Department
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	29,901.25	33,623.75	86,229.70	100,871.25	414,970.00	328,740.30	79.22%
Salaries - Officers	4020	263,569.09	305,166.00	751,456.43	902,650.25	3,572,349.00	2,820,892.57	78.96%
Overtime	4030	50,104.34	42,833.00	122,904.35	118,499.00	475,000.00	352,095.65	74.12%
Total Salaries		343,574.68	381,622.75	960,590.48	1,122,020.50	4,462,319.00	3,501,728.52	78.47%
Benefits								
Social Security	4110	1,884.00	2,144.00	5,638.29	6,432.00	25,728.00	20,089.71	78.08%
Medicare	4111	4,462.31	5,392.00	12,828.98	16,176.00	64,704.00	51,875.02	80.17%
I.M.R.F.	4115	3,215.57	4,034.00	9,685.06	12,102.00	48,409.00	38,723.94	79.99%
Medical/Life Insurance	4120	35,509.94	36,171.00	104,461.50	108,513.00	434,053.00	329,591.50	75.93%
Police Pension	4130	20,086.60	134,906.00	883,411.78	404,718.00	1,618,878.00	735,466.22	45.43%
Supplemental Pensions	4135	2,989.17	3,733.00	8,527.17	11,199.00	44,800.00	36,272.83	80.96%
Total Benefits		68,147.59	186,380.00	1,024,552.78	559,140.00	2,236,572.00	1,212,019.22	54.19%
Materials and Supplies								
Animal Control	4201	20.00	125.00	20.00	375.00	1,500.00	1,480.00	98.66%
Auxiliary Police	4203	72.00	374.00	1,174.13	1,122.00	4,500.00	3,325.87	73.90%
Boards and Commissions	4205	0.00	1,857.00	1,057.74	5,571.00	22,300.00	21,242.26	95.25%
Dues and Subscriptions	4213	0.00	428.50	189.00	1,285.50	5,150.00	4,961.00	96.33%
Investigation and Equipment	4217	3,879.44	3,480.00	7,308.85	10,440.00	42,980.00	35,671.15	82.99%
Liability Insurance	4219	3,247.21	5,233.00	5,117.70	15,849.00	65,520.00	60,402.30	92.18%
Maintenance - Equipment	4225	642.00	924.00	4,434.27	4,272.00	15,850.00	11,415.73	72.02%
Maintenance - Vehicles	4229	3,465.12	1,765.00	7,648.93	5,295.00	21,200.00	13,551.07	63.92%
Postage/Mailings	4233	0.00	358.00	975.65	1,074.00	4,300.00	3,324.35	77.31%
Printing and Forms	4235	0.00	125.00	125.00	375.00	1,500.00	1,375.00	91.66%
Public Relations	4239	0.00	375.00	0.00	1,125.00	4,500.00	4,500.00	100.00%
Rent - Equipment	4243	0.00	750.00	0.00	1,250.00	5,500.00	5,500.00	100.00%
Supplies - Office	4253	396.23	541.00	1,166.59	1,623.00	6,500.00	5,333.41	82.05%
Training and Education	4263	535.43	3,229.00	835.43	9,687.00	38,755.00	37,919.57	97.84%
Travel/Meetings	4265	1,114.21	1,032.00	1,114.21	3,096.00	14,400.00	13,285.79	92.26%
Telephone	4267	996.06	1,196.25	1,992.14	3,588.75	14,375.00	12,382.86	86.14%
Uniforms	4269	3,158.58	3,341.00	5,003.95	55,423.00	63,100.00	58,096.05	92.06%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
General Fund
Police Department
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Utilities (Elec,Gas,Wtr,Sewer)	4271 148.20	624.00	723.52	1,872.00	7,500.00	6,776.48	90.35%
Vehicle (Gas and Oil)	4273 0.00	6,250.00	7,034.00	18,750.00	75,000.00	67,966.00	90.62%
Total Materials and Supplies	17,674.48	32,007.75	45,921.11	142,073.25	414,430.00	368,508.89	88.92%
Contractual							
Consulting/Professional	4325 99,172.63	109,365.00	198,345.26	226,230.00	444,460.00	246,114.74	55.37%
Dumeg/Fiat/Child Center	4337 0.00	0.00	0.00	3,500.00	7,000.00	7,000.00	100.00%
Total Contractual	99,172.63	109,365.00	198,345.26	229,730.00	451,460.00	253,114.74	56.07%
Capital Outlay							
Equipment	4815 0.00	0.00	0.00	701,576.00	701,576.00	701,576.00	100.00%
Total Capital Outlay	0.00	0.00	0.00	701,576.00	701,576.00	701,576.00	100.00%
Total Expenditures	528,569.38	709,375.50	2,229,409.63	2,754,539.75	8,266,357.00	6,036,947.37	73.03%
Total	(528,569.38)	(709,375.50)	(2,229,409.63)	(2,754,539.75)	(8,266,357.00)	(6,036,947.37)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Water Fund
Public Works, Water
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	37,687.30	42,779.00	103,976.85	128,337.00	513,355.00	409,378.15	79.74%
Overtime	4030	7,600.57	6,250.00	19,444.41	18,750.00	75,000.00	55,555.59	74.07%
Total Salaries		<u>45,287.87</u>	<u>49,029.00</u>	<u>123,421.26</u>	<u>147,087.00</u>	<u>588,355.00</u>	<u>464,933.74</u>	<u>79.02%</u>
Benefits								
Social Security	4110	2,664.77	3,169.00	7,140.64	9,507.00	38,028.00	30,887.36	81.22%
Medicare	4111	623.24	741.00	1,669.98	2,223.00	8,894.00	7,224.02	81.22%
I.M.R.F.	4115	5,514.02	6,567.00	15,374.99	19,701.00	78,809.00	63,434.01	80.49%
Medical/Life Insurance	4120	8,068.36	8,950.00	22,353.45	26,850.00	107,403.00	85,049.55	79.18%
Supplemental Pensions	4135	184.60	200.00	553.80	600.00	2,400.00	1,846.20	76.92%
Total Benefits		<u>17,054.99</u>	<u>19,627.00</u>	<u>47,092.86</u>	<u>58,881.00</u>	<u>235,534.00</u>	<u>188,441.14</u>	<u>80.01%</u>
Materials and Supplies								
Liability Insurance	4219	193.68	16,986.00	334.24	50,950.00	204,140.00	203,805.76	99.83%
Maintenance - Building	4223	7,287.76	7,372.50	10,286.59	22,115.50	88,540.00	78,253.41	88.38%
Maintenance - Equipment	4225	209.31	3,260.00	6,030.98	9,780.00	39,150.00	33,119.02	84.59%
Maintenance - Water System	4231	5,466.26	14,513.00	42,755.91	43,539.00	174,200.00	131,444.09	75.45%
Postage/Mailings	4233	0.00	166.00	0.00	498.00	2,000.00	2,000.00	100.00%
Quality Control	4241	0.00	903.00	917.80	2,709.00	10,850.00	9,932.20	91.54%
Service Charge	4251	20,833.34	20,833.00	62,500.02	62,499.00	250,000.00	187,499.98	74.99%
Supplies - Operation	4255	0.00	250.00	0.00	746.00	3,000.00	3,000.00	100.00%
Training and Education	4263	0.00	33.00	530.00	2,599.00	2,900.00	2,370.00	81.72%
Telephone	4267	1,715.42	870.50	2,692.41	2,611.50	10,450.00	7,757.59	74.23%
Uniforms	4269	0.00	679.00	296.91	2,037.00	8,150.00	7,853.09	96.35%
Utilities (Elec,Gas,Wtr,Sewer)	4271	2,949.92	4,291.00	6,834.02	12,873.00	51,500.00	44,665.98	86.73%
Vehicle (Gas and Oil)	4273	0.00	1,331.25	1,490.52	3,993.75	15,975.00	14,484.48	90.66%
Total Materials and Supplies		<u>38,655.69</u>	<u>71,488.25</u>	<u>134,669.40</u>	<u>216,950.75</u>	<u>860,855.00</u>	<u>726,185.60</u>	<u>84.36%</u>
Contractual								
Audit	4320	1,200.00	959.00	1,200.00	2,877.00	11,513.00	10,313.00	89.57%
Consulting/Professional	4325	0.00	1,703.00	0.00	5,109.00	20,450.00	20,450.00	100.00%
Leak Detection	4326	0.00	1,674.00	0.00	5,022.00	20,100.00	20,100.00	100.00%
Data Processing	4336	0.00	12,708.00	27,104.24	38,124.00	152,500.00	125,395.76	82.22%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Water Fund
Public Works, Water
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
DuPage Water Commission	4340 356,702.58	418,336.00	745,322.50	1,255,008.00	5,020,033.00	4,274,710.50	85.15%
Total Contractual	357,902.58	435,380.00	773,626.74	1,306,140.00	5,224,596.00	4,450,969.26	85.19%
Other Charges							
Transfer to Other Funds	4605 430,000.00	0.00	430,000.00	0.00	0.00	(430,000.00)	0.00%
Total Other Charges	430,000.00	0.00	430,000.00	0.00	0.00	(430,000.00)	0.00%
Capital Outlay							
Equipment	4815 31,586.55	16,666.00	39,952.94	74,773.00	78,525.00	38,572.06	49.12%
Water Meter Purchases	4880 7,163.00	2,250.00	7,163.00	6,750.00	27,000.00	19,837.00	73.47%
Total Capital Outlay	38,749.55	18,916.00	47,115.94	81,523.00	105,525.00	58,409.06	55.35%
Debt Service							
Debt Retire-Water Refunding	4950 0.00	0.00	40,940.50	150,025.00	300,025.00	259,084.50	86.35%
Total Debt Service	0.00	0.00	40,940.50	150,025.00	300,025.00	259,084.50	86.35%
Total Expenditures	927,650.68	594,440.25	1,596,866.70	1,960,606.75	7,314,890.00	5,718,023.30	78.17%
Total	(927,650.68)	(594,440.25)	(1,596,866.70)	(1,960,606.75)	(7,314,890.00)	(5,718,023.30)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Motor Fuel Tax
MFT Expenses
From 7/1/2018 Through 7/31/2018

		Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures								
Salaries								
Salaries	4010	17,708.72	20,416.00	59,367.99	61,248.00	245,000.00	185,632.01	75.76%
Total Salaries		<u>17,708.72</u>	<u>20,416.00</u>	<u>59,367.99</u>	<u>61,248.00</u>	<u>245,000.00</u>	<u>185,632.01</u>	<u>75.77%</u>
Benefits								
Social Security	4110	1,097.94	1,266.00	3,680.81	3,796.00	15,190.00	11,509.19	75.76%
Medicare	4111	256.78	296.00	860.84	888.00	3,553.00	2,692.16	75.77%
I.M.R.F.	4115	2,192.34	2,768.50	7,349.76	8,305.50	33,222.00	25,872.24	77.87%
Total Benefits		<u>3,547.06</u>	<u>4,330.50</u>	<u>11,891.41</u>	<u>12,989.50</u>	<u>51,965.00</u>	<u>40,073.59</u>	<u>77.12%</u>
Materials and Supplies								
Road Material	4245	470.08	3,175.00	470.08	9,525.00	38,100.00	37,629.92	98.76%
Salt	4249	0.00	0.00	0.00	0.00	154,470.00	154,470.00	100.00%
Supplies - Other	4257	0.00	3,700.00	14,522.60	3,700.00	18,500.00	3,977.40	21.49%
Pavement Striping	4261	0.00	14,500.00	0.00	14,500.00	14,500.00	14,500.00	100.00%
Total Materials and Supplies		<u>470.08</u>	<u>21,375.00</u>	<u>14,992.68</u>	<u>27,725.00</u>	<u>225,570.00</u>	<u>210,577.32</u>	<u>93.35%</u>
Contractual								
Consulting/Professional	4325	0.00	0.00	0.00	0.00	5,000.00	5,000.00	100.00%
Total Contractual		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>5,000.00</u>	<u>5,000.00</u>	<u>100.00%</u>
Total Expenditures		<u>21,725.86</u>	<u>46,121.50</u>	<u>86,252.08</u>	<u>101,962.50</u>	<u>527,535.00</u>	<u>441,282.92</u>	<u>83.65%</u>
Total		(21,725.86)	(46,121.50)	(86,252.08)	(101,962.50)	(527,535.00)	(441,282.92)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Impact Fee Agency Fund
Impact Fee Expenditures
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures							
Materials and Supplies							
Impact Fees Disbursed	4215 0.00	0.00	7,382.00	0.00	0.00	(7,382.00)	0.00%
Total Materials and Supplies	0.00	0.00	7,382.00	0.00	0.00	(7,382.00)	0.00%
Total Expenditures	0.00	0.00	7,382.00	0.00	0.00	(7,382.00)	0.00%
Total	0.00	0.00	(7,382.00)	0.00	0.00	7,382.00	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Special Service Area Tax Fund
SSA Expenditures
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures							
Materials and Supplies							
Maintenance - Equipment	4225 0.00	125.00	0.00	375.00	1,500.00	1,500.00	100.00%
Total Materials and Supplies	0.00	125.00	0.00	375.00	1,500.00	1,500.00	100.00%
Contractual							
Consulting/Professional	4325 0.00	0.00	2,510.00	0.00	5,000.00	2,490.00	49.80%
Contingency	4330 0.00	125.00	0.00	375.00	1,500.00	1,500.00	100.00%
Total Contractual	0.00	125.00	2,510.00	375.00	6,500.00	3,990.00	61.38%
Total Expenditures	0.00	250.00	2,510.00	750.00	8,000.00	5,490.00	68.63%
Total	0.00	(250.00)	(2,510.00)	(750.00)	(8,000.00)	(5,490.00)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
State Drug Forfeiture Fund
Drug Forfeiture Expenditures
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining	
Expenditures								
Materials and Supplies								
Vehicle (Gas and Oil)	4273	150.88	0.00	17,830.88	0.00	0.00	(17,830.88)	0.00%
Total Materials and Supplies	150.88	0.00	17,830.88	0.00	0.00	(17,830.88)	0.00%	
Total Expenditures	150.88	0.00	17,830.88	0.00	0.00	(17,830.88)	0.00%	
Total	(150.88)	0.00	(17,830.88)	0.00	0.00	17,830.88	0.00%	

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Water Depreciation Fund
Depreciation Expenses
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures							
Capital Outlay							
Capital Improv-Infrastructure	4390 393,116.23	321,600.00	703,189.44	964,800.00	1,608,000.00	904,810.56	56.26%
Total Capital Outlay	393,116.23	321,600.00	703,189.44	964,800.00	1,608,000.00	904,810.56	56.27%
Total Expenditures	393,116.23	321,600.00	703,189.44	964,800.00	1,608,000.00	904,810.56	56.27%
Total	(393,116.23)	(321,600.00)	(703,189.44)	(964,800.00)	(1,608,000.00)	(904,810.56)	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Federal Equitable Sharing Fund
Drug Forfeiture Expenditures
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining
Expenditures							
Materials and Supplies							
Dues and Subscriptions	4213 0.00	0.00	6,145.00	0.00	0.00	(6,145.00)	0.00%
Total Materials and Supplies	0.00	0.00	6,145.00	0.00	0.00	(6,145.00)	0.00%
Total Expenditures	0.00	0.00	6,145.00	0.00	0.00	(6,145.00)	0.00%
Total	0.00	0.00	(6,145.00)	0.00	0.00	6,145.00	0.00%

CITY OF DARIEN
Statement of Revenues and Expenditures - Expenditures
Capital Improvement Fund
Capital Fund Expenditures
From 7/1/2018 Through 7/31/2018

	Current Period Actual	Current Period Budget	Current Year Actual	YTD Budget - Original	Total Budget	Total Budget Variance	Percent Total Budget Remaining	
Expenditures								
Contractual								
Consulting/Professional	4325	0.00	11,875.00	0.00	35,625.00	47,500.00	100.00%	
Total Contractual		0.00	11,875.00	0.00	35,625.00	47,500.00	100.00%	
Capital Outlay								
Ditch Projects	4376	281,524.47	489,925.00	705,187.80	1,469,775.00	1,959,700.00	1,254,512.20	64.01%
Sidewalk Replacement Program	4380	0.00	40,406.25	82,644.75	121,218.75	161,625.00	78,980.25	48.86%
Residential Concrete Program	4381	(39,090.38)	0.00	0.00	0.00	0.00	0.00	0.00%
Crack Seal Program	4382	0.00	38,545.25	154,176.00	115,635.75	154,181.00	5.00	0.00%
Curb & Gutter Replacement Prog	4383	0.00	108,333.75	385,106.93	325,001.25	433,335.00	48,228.07	11.12%
Capital Improv-Infrastructure	4390	40,653.00	0.00	40,653.00	0.00	0.00	(40,653.00)	0.00%
Street Reconstruction/Rehab	4855	1,011,408.12	323,525.00	1,033,534.50	970,575.00	1,294,100.00	260,565.50	20.13%
Total Capital Outlay		1,294,495.21	1,000,735.25	2,401,302.98	3,002,205.75	4,002,941.00	1,601,638.02	40.01%
Debt Service								
Debt Retire - Property	4945	0.00	48,606.75	9,213.75	145,820.25	194,427.00	185,213.25	95.26%
Total Debt Service		0.00	48,606.75	9,213.75	145,820.25	194,427.00	185,213.25	95.26%
Total Expenditures		1,294,495.21	1,061,217.00	2,410,516.73	3,183,651.00	4,244,868.00	1,834,351.27	43.21%
Total		(1,294,495.21)	(1,061,217.00)	(2,410,516.73)	(3,183,651.00)	(4,244,868.00)	(1,834,351.27)	0.00%

CITY OF DARIEN -- CASH RESERVES
July 31, 2018

FUND	FUND NAME	TOTAL
01	General Fund	\$ 1,218,201.71
02	Water Fund	\$ 1,850,891.14
03	MFT Fund	\$ 393,846.34
05	Impact Fees Fund	\$ 5,797.93
7	Stormwater Management Fund	\$ 78,840.80
10	Special Service Area Tax Fund	\$ 14,641.78
11	State Drug Forfeiture Fund	\$ 4,323.89
12	Water Depreciation Fund	\$ 2,835,319.59
17	Federal Equitable Sharing Acct	\$ 309,196.57
18	Seized Asset Funds	\$ 38,159.59
19	DOT - Federal Equitable Sharing	\$ 18,234.53
23	DUI Technology Fund	\$ 111,327.26
24	E-Citation Fund	\$ 8,913.02
25	Capital Improvement Fund	\$ 6,064,298.45
	TOTAL	\$ 12,951,992.60

Prior Month Cash Balance

\$ 15,019,772.07

Bank Accounts and Interest Rates	Account Balances
Republic Bank Drug Forfeiture Account - 1.58% *	\$ 42,483.48
Republic Bank Equitable Federal Sharing Acct - 1.58% *	\$ 327,431.10
Republic Bank Now Account - 1.57% *	\$ 9,498,064.94
Republic Bank Operating Account	\$ 102,464.32
Republic Bank Payroll Account - Zero Balance Acct	\$ 133,724.08
Illinois Funds Money Market Account - 1.960%	\$ 831,291.76
IMET Investment Fund 1.89%	\$ 16,532.92
Wintrust Community Bank 12 Month CD - 2.58%	\$ 1,000,000.00
Wintrust Community Bank 24 Month CD - 2.89%	\$ 1,000,000.00
	\$ 12,951,992.60

Market Value

Pledged Collateral Statement as of 07/31/2018

\$ 15,463,769

* Republic Bank interest rate is Annual Percentage Rate



AGENDA MEMO
CITY COUNCIL
Meeting Date: September 4, 2018

Issue Statement

Consideration of a motion to grant a waiver of the raffle license bond requirement for the Nick Kot Charity for TBI.

BACKUP

Background/History

The Nick Kot Charity for TBI has applied for a raffle license; the raffle will be held on September 29, 2018. They have also requested a waiver of the bond requirement. The City regularly waives this requirement for qualified charitable, non-profit organizations.

Staff/Committee Recommendation

It is recommended that the raffle license bond requirement for Nick Kot Charity for TBI raffle be waived.

Alternate Consideration

Do not waive the bond requirement.

Decision Mode

This item will be placed on the September 4, 2018 City Council Agenda for formal consideration.

NICK KOT CHARITY FOR TBI

13635 Meath Circle

Homer Glen, IL 60431

77-0501317. (ein)

The City of Darien

1702 Plainfield Rd

Darien, IL 60551

I would like to request a waiver of the bond for this event at QBar 1108 Cass Ave,
on September 29th 2016.

Thank you for your help

Trisha Kot

708 301 1726

CITY OF DARIEN

APPLICATION FOR RAFFLE LICENSE

Class A License
Class B License

NAME OF ORGANIZATION: Nick Kot Charity for TBI

ADDRESS: 13636 Meath Circle

TELEPHONE NUMBER: 708-301-1726 FAX NUMBER: 708-301-1458

TYPE OF ORGANIZATION: Charitable 501(c)3 non luc profit
(Charitable, Educational, Religious, Fraternal, Veterans or Labor)

LIST THE AREA (S) WITHIN THE CITY IN WHICH RAFFLE CHANCES WILL BE SOLD OR ISSUED:
at The Venue Q Bar Darien IL

LIST THE TIME (S) OF DAY DURING WHICH RAFFLE CHANCES WILL BE SOLD OR ISSUED:
7pm - Close of Bar

LIST THE DATE AND TIME OF THE DETERMINATION OF WINNING CHANCES:
Sept 29th 7pm - Close

LIST THE LOCATION (S) AT WHICH WINNING CHANCES WILL BE DETERMINED:
Q Bar 8109 Cass Ave Darien, IL

I, Patricia Kot, being the first duly sworn, state on oath that the foregoing organization is a not-for-profit organization.

Patricia M. Kot
Presiding Officer

ATTEST:
Secretary

APPROVED BY: Mayor

DATE:

MAILED ON: Date

BY:



AGENDA MEMO
CITY COUNCIL
Meeting Date: September 4, 2018

Issue Statement

Consideration of a motion to grant a waiver of the raffle license bond requirement for the Cancer Smashers.

BACKUP

Background/History

The Cancer Smashers have applied for a raffle license; the raffle will be held on September 8, 2018. They have also requested a waiver of the bond requirement. The City regularly waives this requirement for qualified charitable, non-profit organizations.

Staff/Committee Recommendation

It is recommended that the raffle license bond requirement for the Cancers Smashers raffle be waived.

Alternate Consideration

Do not waive the bond requirement.

Decision Mode

This item will be placed on the September 4, 2018 City Council Agenda for formal consideration.

MEMO



CANCER SMASHERS

7213 S. Whittier Drive • Darien, IL 60561

Kids supporting research for ALL cancers!

City Clerk's Office
City of Darien

AUG 8 2018

Attention:
R/E Raffle License/Bond
Maria Gonzalez
City of Darien
7202 Plainfield
Darien, IL. 60561

Dear Maria,

Attached is our Raffle License for the Cancer Smasher fundraiser. The raffle will be held at the Darien Community Park from September 7 - 9th, 2018. The Cancer Smashers are requesting a fee waiver for the license/bond.

Thank you,

A handwritten signature in black ink, which appears to read "Amy Tebbel". The signature is written in a cursive, flowing style.

CITY OF DARIEN

APPLICATION FOR RAFFLE LICENSE

Class A License
 Class B License

NAME OF ORGANIZATION: Cancer & Smashers

ADDRESS: 7213 S. Whittier Drive Darien IL 60561

TELEPHONE NUMBER: 630-229-3008 FAX NUMBER: 630-663-0402

TYPE OF ORGANIZATION: Charitable
(Charitable, Educational, Religious, Fraternal, Veterans or Labor)

LIST THE AREA (S) WITHIN THE CITY IN WHICH RAFFLE CHANCES WILL BE SOLD OR ISSUED:

Darien Community Park

LIST THE TIME (S) OF DAY DURING WHICH RAFFLE CHANCES WILL BE SOLD OR ISSUED:

Noon - 10 pm

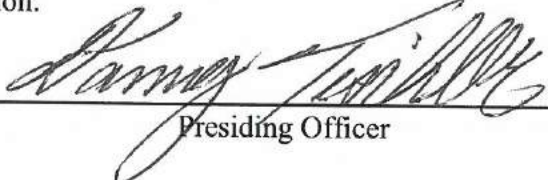
LIST THE DATE AND TIME OF THE DETERMINATION OF WINNING CHANCES:

9/8/18 8pm

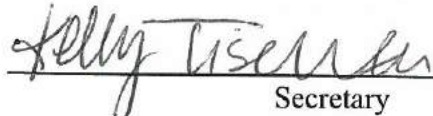
LIST THE LOCATION (S) AT WHICH WINNING CHANCES WILL BE DETERMINED:

Darien Community Park

I, Danny Tischler, being the first duly sworn, state on oath that the foregoing organization is a not-for-profit organization.


Presiding Officer

ATTEST:


Secretary

APPROVED BY: _____
Mayor

DATE: _____

MAILED ON: _____
Date

BY: _____



AGENDA MEMO
CITY COUNCIL
September 4, 2018

Issue Statement

Consideration of a Motion Granting a Waiver of the \$50.00 a Day Fee for the class “J” Temporary Liquor License for Our Lady of Peace School.

BACKUP

Background/History

Our Lady of Peace Catholic School will be conducting a Fundraiser on Friday, September 28, 2018 and has requested a waiver of the fee for the Temporary Liquor License as our Liquor License Code requires a \$50.00 per day fee.

Staff/Committee Recommendation

Staff recommends waiving the fee for the Temporary Liquor License for Our Lady of Peace School.

Alternate Consideration

Not approving the motion at this time would be an alternate consideration.

Decision Mode

This item will be on the September 4, 2018 City Council Agenda for formal consideration.



Anton S Lessmeister

7533 Comstock Lane + Darien Illinois 60561 + 630-730-7264

Alessmeister64@gmail.com

Good Morning Ms. Gonzalez,

Our Lady of Peace School is hosting its annual Trivia Night fundraiser on September 28th 2018 from 7-11pm in the school gym. This fundraiser is designed to promote fellowship and fun while raising funds to support school initiatives. Since this is a charitable event, we ask, kindly, that the City Council waive the liquor license fee. Thank you in advance for your consideration and help on this matter. If you have any questions, please feel free to contact me.

Kind regards,

Tony

Anton S Lessmeister

Our Lady of Peace School

630-730-7264

CITY OF DARIEN

APPLICATION FOR TEMPORARY LIQUOR LICENSE

THIS APPLICATION IS FOR: CLASS "J" TEMPORARY LIQUOR LICENSE —

"THE SALE AT RETAIL OF ALCOHOLIC LIQUOR FOR CONSUMPTION ONLY AT THE LOCATION AND ON THE SPECIFIED DATES DESIGNATED FOR THE SPECIAL EVENT IN THE LICENSE." FEE IS \$50.00 PER DAY NOT TO EXCEED THREE (3) CONSECUTIVE DAYS.

NAME OF ORGANIZATION OR GROUP OUR LADY OF PEACE SCHOOL

ADDRESS 709 PLAINFIELD RD DARIEN IL PHONE 630-325-9220

TYPE OF EVENT FUND RAISER - TRIVIA NIGHT

LOCATION OF EVENT SCHOOL GYM

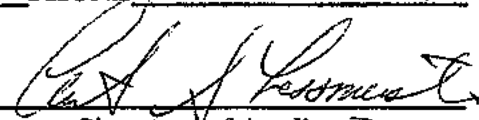
DATE AND TIME OF EVENT 9/28/18 7pm - 11:00 pm

NAME OF APPLICANT OR REPRESENTATIVE TONY LESSMEISTER

ADDRESS 7533 CONSTACK LN PHONE 630-810-0477

NAME OF CHAIRMAN OF EVENT TONY LESSMEISTER

ADDRESS 7533 CONSTACK LN PHONE 630-810-0477


Signature of Applicant

FEE: _____

DATE PAID: _____

Date Approved: _____

Application Approved: _____

License No. Issued _____

Kathleen Moesle Weaver, Liquor Commissioner

MANDATORY: PROOF OF DRAM SHOP INSURANCE MUST BE ATTACHED TO THIS APPLICATION COVERING DATE(S) OF EVENT AND DESIGNATING THE CITY OF DARIEN AS ADDITIONAL INSURED ALONG WITH A CHECK TO COVER FEE.

AGENDA MEMO
City Council
September 4, 2018

ISSUE STATEMENT

Approval of an ordinance authorizing the disposal of surplus property.

ORDINANCE

BACKGROUND/HISTORY

Staff is requesting that the following property be declared as surplus property and auctioned using an on-line auction service, Public Surplus, or disposed of:

ITEM	EXPLANATION	
1	Bike boys, grey mountain (Tag 008)	Unclaimed no longer needed
2	Bike - girls blue Magna Great Divide (Tag 044)	Unclaimed no longer needed
3	Bike - boys black Cross Creek Motiv (Tag 10)	Unclaimed no longer needed
4	Bike - girls yellow Huffy Cranbrook bike (Tag 43)	Unclaimed no longer needed
5	Bike - boys blue Magna bike (Tag 15)	Unclaimed no longer needed
6	Bike - boys, red Huffy Rockit BMX bike (Tag 45)	Unclaimed no longer needed
7	Bike - girls, blue Next Misty bike (Tag 006)	Unclaimed no longer needed
8	Bike - boys, black Mongoose bike (Tag 058)	Unclaimed no longer needed
9	Bike - adult bike green, with baskets (Tag 16)	Unclaimed no longer needed
10	Bike - boys, blue Mongoose BMX bike (Tag 17)	Unclaimed no longer needed
11	Bike - boys, white/orange Tony Hawk BMX (Tag 13)	Unclaimed no longer needed
12	Bike - boys, blue/orange Rallye Descent (Huffy) (Tag 12)	Unclaimed no longer needed
13	Bike - boys, blue/green Avigo Freestyle Fade (Tag 14)	Unclaimed no longer needed
14	Bike - boys, red Huffy Axis (Tag 11)	Unclaimed no longer needed
15	Bike - girls, green/black Wellgo (Tag 009)	Unclaimed no longer needed
16	Bike - boys, red/yellow Outlander (No Tag)	Unclaimed no longer needed
17	Plastic shelving unit with four shelves (1)	No longer useful to the City
18	Wooden shelving unit with two shelves (1)	No longer useful to the City
19	Blue plastic chairs (14)	No longer needed by City
20	White metal tables (6)	No longer needed by City
21	Pigeonhole shelving unit (1)	No longer needed by City
22	Black filing cabinet with three drawers (1)	No longer useful to the City
23	Grey filing cabinet with two drawers (1)	No longer useful to the City
24	Grey Filing cabinets with four drawers (2)	No longer needed by City
25	Black filing cabinet with four drawers (1)	No longer useful to the City
26	Desks (6)	No longer useful to the City
27	Metal grey shelving unit with three shelves (1)	No longer useful to the City
28	Metal tan shelving unit with 2 shelves (1)	No longer useful to the City
29	Metal grey shelving unit with four drawers (2)	No longer needed by City
30	Grey filing cabinet with four drawers (1)	No longer useful to the City

Staff recommends the above be declared surplus property and disposed of or auctioned using Public Surplus.

ALTERNATE CONSIDERATION

As recommended.

DECISION MODE

This item will be placed on the September 4, 2018 City Council Agenda for formal approval.



CITY OF DARIEN

DU PAGE COUNTY, ILLINOIS

ORDINANCE NO. _____

**AN ORDINANCE AUTHORIZING THE SALE
OF PERSONAL PROPERTY
OWNED BY THE CITY OF DARIEN**

**ADOPTED BY THE
MAYOR AND CITY COUNCIL
OF THE
CITY OF DARIEN**

THIS 4TH DAY OF SEPTEMBER, 2018

**Published in pamphlet form by authority
of the Mayor and City Council of the City
of Darien, DuPage County, Illinois, this
_____ day of September, 2018.**

ORDINANCE NO. _____

**AN ORDINANCE AUTHORIZING THE SALE
OF PERSONAL PROPERTY
OWNED BY THE CITY OF DARIEN**

WHEREAS, in the opinion of at least three fourths of the corporate authorities of the City of Darien, it is no longer necessary or useful, or for the best interests of the City of Darien, to retain ownership of the personal property hereinafter described; and

WHEREAS, it has been determined by the Mayor and City Council of the City of Darien to sell said personal property at a Public Auction or dispose of said property.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, IN THE EXERCISE OF ITS HOME RULE POWERS, as follows:

SECTION 1: The Mayor and City Council of the City of Darien find that the following described personal property, now owned by the City of Darien, is no longer necessary or useful to the City of Darien and the best interests of the City of Darien will be served by auctioning it using Public Surplus or disposing of said property.

ITEM	EXPLANATION
1 Bike boys, grey mountain (Tag 008)	Unclaimed no longer needed
2 Bike - girls blue Magna Great Divide (Tag 044)	Unclaimed no longer needed
3 Bike - boys black Cross Creek Motiv (Tag 10)	Unclaimed no longer needed
4 Bike - girls yellow Huffy Cranbrook bike (Tag 43)	Unclaimed no longer needed
5 Bike - boys blue Magna bike (Tag 15)	Unclaimed no longer needed
6 Bike - boys, red Huffy Rockit BMX bike (Tag 45)	Unclaimed no longer needed
7 Bike - girls, blue Next Misty bike (Tag 006)	Unclaimed no longer needed
8 Bike - boys, black Mongoose bike (Tag 058)	Unclaimed no longer needed
9 Bike - adult bike green, with baskets (Tag 16)	Unclaimed no longer needed
10 Bike - boys, blue Mongoose BMX bike (Tag 17)	Unclaimed no longer needed
11 Bike - boys, white/orange Tony Hawk BMX (Tag 13)	Unclaimed no longer needed

ORDINANCE NO. _____

12	Bike - boys, blue/orange Rallye Descent (Huffy) (Tag 12)	Unclaimed no longer needed
13	Bike - boys, blue/green Avigo Freestyle Fade (Tag 14)	Unclaimed no longer needed
14	Bike - boys, red Huffy Axis (Tag 11)	Unclaimed no longer needed
15	Bike - girls, green/black Wellgo (Tag 009)	Unclaimed no longer needed
16	Bike - boys, red/yellow Outlander (No Tag)	Unclaimed no longer needed
17	Plastic shelving unit with four shelves (1)	No longer useful to the City
18	Wooden shelving unit with two shelves (1)	No longer useful to the City
19	Blue plastic chairs (14)	No longer needed by City
20	White metal tables (6)	No longer needed by City
21	Pigeonhole shelving unit (1)	No longer needed by City
22	Black filing cabinet with three drawers (1)	No longer useful to the City
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29	Metal grey shelving unit with four drawers (2)	No longer needed by City
30	Grey filing cabinet with four drawers (1)	No longer useful to the City

SECTION 2: The City Administrator is hereby authorized and directed to sell the aforementioned personal property, now owned by the City of Darien. Items will be auctioned using Public Surplus or disposing of said property.

SECTION 3: This Ordinance and each of its terms shall be the effective legislative act of a home rule municipality without regard to whether such Ordinance should (a) contain terms contrary to the provisions of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the intent of the corporate authorities of the City of Darien that to the extent that the terms of this Ordinance should be inconsistent with any non-preemptive state law, that this Ordinance shall supersede state law in that regard within its jurisdiction.

ORDINANCE NO. _____

SECTION 4: This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

AGENDA MEMO
City Council
September 4, 2018

ISSUE STATEMENT

A motion authorizing the expenditure of budgeted funds up to \$10,000 to enter into an agreement with I/O Solutions to conduct testing to establish an eligibility list from which to hire police officer to fill anticipated openings.

BACKUP

BACKGROUND/HISTORY

The current list of eligible candidates for the position of police officers expires March 7, 2019. It is expected that during the two years that the list of candidates are eligible for hire (03/08/19 – 03/07/21) the police department expect police officers to leave service thereby requiring replacement.

The actual costs cannot be determined at this time. It is unknown how many individuals will submit an application, how many will attend the written examination and how many individuals will advance to an oral interview. However, based on similar assumptions (what occurred during last establishment of an eligibility list) applied to each vendor’s proposal a comparative estimate could be derived (see below). There are two values for each vendor. The first value is the estimated costs. There is a \$35 charge to each applicant which is provided to the city so the second value is the actual costs to the city. When viewing the proposals TSP appears to be the lowest bidder. TSP failed to bid two parts of the process: advertising and the management of applications. Therefore I believe that bid should be discounted.

The budgeted amount in account 01-40-4205 “Police Officer List” is \$10,000 as of 08/16/18.

Proposals/Bids

I/O Solutions	\$16,014.00	\$9,434.00
TSP	\$ 9,750.00	\$3,170.00
Stanard & Associates	\$16,435.00	\$9,855.00

STAFF/COMMITTEE RECOMMENDATION

Staff recommends approval of a motion authorizing the entering of an agreement with I/O Solutions to conduct the testing and administration of the testing to establish an eligibility list form which probationary officers can be hired. Staff further recommends the funds for such agreement come from account 01-40-4205.

ALTERNATE CONSIDERATION

As recommended by Staff.

DECISION MODE

This item will be placed on the September 4, 2018 agenda for formal Council consideration and approval.

Darien Police Department Testing

Police Officer Testing Cost Estimate			
Project Components	Unit Cost	#Applicants	Total
Job Application Processing IOS will send out a job advertisement notification to our network of Illinois fire science programs and criminal justice programs; post a job announcement and electronic application via our website; field applicant questions via toll-free phone, web-link and e-mail (your job advertisement will provide applicants with these points of contact); collect application fees required by your agency, collect electronic and supporting eligibility documents, review and verify applicant eligibility; provide electronic notification of eligibility status to candidates, submit a final list of eligible applicants; provide a database containing relevant applicant personal data; solicit and collect claims of preference; and compile electronic versions of each applicant's application package. Any application fees that are collected will be credited against the fees associated with the application management process.	\$35	250	\$8,750
Post Job Advertisement IOS will post approved job advertisement on the Blue Line website	\$50+Cost of Ad (\$199)	n/a	\$249
Candidate Orientation IOS to assist in organizing and administering the candidate orientation, including notifying candidates, collecting POWER cards and handling sign-in	n/a	n/a	\$500
Examination Provision, Administration, and Scoring IOS will provide a written examination for law enforcement officers or firefighters, administer the examination at a site provided by the agency, provide a sufficient amount of test proctors to handle sign-in and administration of the written exam, score the written examination, identify and impose the required cut-off score, and provide the agency with a Preliminary and/or Initial Eligibility List.	\$25	150	\$3,750
Oral Interview Development Develop structured oral interview, review questions with subject matter experts, train commission on interview tool and scoring mechanisms, schedule candidates for interview, assist in facilitating the interview (up to 8 hours or one day), scoring interview and provide initial/final eligibility list	n/a	n/a	\$5,185
Gross Cost			\$18,434
Reimbursed Applicant Fees	(\$35)	250	(\$8,750)
Final Cost to Cooperative			\$9,684

Cost estimates based on the following:

250 applications purchased

150 sit for written exam

Application fee of \$35

AGENDA MEMO
City Council
September 4, 2018

ISSUE STATEMENT

A motion authorizing the expenditure of budgeted funds from line item 01-40-4325 Consulting/Professional Services, for the one year law enforcement policy manual update subscription from Lexipol, LLC in the amount of \$7,994.00.

BACKUP

BACKGROUND/HISTORY

This is the 9th year the Darien Police Department has subscribed with Lexipol to create a web based comprehensive police department policy manual. Lexipol is highly recommended by our insurance carrier IRMA for their training and risk management policies.

The one year law enforcement policy manual update subscription includes 24/7 access to Knowledge Management System for updates and editing. The DTB subscription service includes 365 Unique Scenario Daily Training Bulletins and Testing Data Base.

STAFF/COMMITTEE RECOMMENDATION

Based upon the above information, staff recommends that the City approve the annual payment to Lexipol in the amount of \$7,994.00.

ALTERNATE CONSIDERATION

As recommended by the Committee.

DECISION MODE

This item will be placed on the September 4, 2018, City Council Agenda for formal Council approval.



Lexipol, LLC
2801 Network Blvd. Suite 500
Frisco, TX 75034

Invoice

Date	Invoice #
6/14/18	25052

Bill To
Darien Police Department Attn: Accounts Payable 1710 Plainfield Road Darien, IL 60561

Terms	Due Date
Net 30	7/14/18

Description	
<p>The one year law enforcement policy manual update subscription includes 24/7 access to Knowledge Management System for updates and editing. The DTB subscription service includes 365 Unique Scenario Daily Training Bulletins and Testing Data Base. 07/01/2018 - 06/30/2019</p>	
Pricing Includes 5% Discount	Total \$7,994.00
Phone # 949-484-4444	NOTICE: LEXIPOL HAS A NEW MAILING ADDRESS AS OF JUNE 18, 2018. Please change the address and remit payment to: Lexipol LLC, 2801 Network Blvd. Suite 500, Frisco, TX 75034
Fax # 949-484-4443	

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Lexipol, LLC	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ P <small>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</small> <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
5 Address (number, street, and apt. or suite no.) See instructions. 2801 Network Blvd, Ste 500	Requester's name and address (optional)
6 City, state, and ZIP code Frisco, TX 75034	
7 List account number(s) here (optional)	

Print or type.
See Specific Instructions on page 3.

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number												
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OR												
Employer identification number												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px;">7</td> <td style="border: 1px solid black; width: 20px; height: 20px;">1</td> <td style="border: 1px solid black; width: 20px; height: 20px;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;">-</td> <td style="border: 1px solid black; width: 20px; height: 20px;">0</td> <td style="border: 1px solid black; width: 20px; height: 20px;">9</td> <td style="border: 1px solid black; width: 20px; height: 20px;">3</td> <td style="border: 1px solid black; width: 20px; height: 20px;">4</td> <td style="border: 1px solid black; width: 20px; height: 20px;">1</td> <td style="border: 1px solid black; width: 20px; height: 20px;">1</td> <td style="border: 1px solid black; width: 20px; height: 20px;">3</td> </tr> </table>	7	1		-	0	9	3	4	1	1	3	
7	1		-	0	9	3	4	1	1	3		

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶ <i>Austin Moore</i>	Date ▶ <i>5/31/18</i>
------------------	--	-----------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

AGENDA MEMO
CITY COUNCIL
September 4, 2018

Issue Statement

Petitioner seeks approval of a resolution accepting the public water main improvement for the Panattoni Warehouse development located at 7879 Lemont Road.

RESOLUTION

Background

Alston Construction Company was the builder of the Panattoni Warehouse development. As required by the City, they posted a [bond](#) for \$549,104.00 as security for construction of water main, storm sewer and detention, and wetlands landscaping. Construction was completed a year ago and security was held for a one year maintenance period. City Engineer has inspected and found said improvements in good condition, per the attached [letter from Dan Lynch](#) dated July 20, 2018. As specified by City requirements, the City can now accept the public water main improvements and authorize release of the bond. Alston has submitted a completion bond for \$55,309.38 for the wetlands landscaping for a three year period as required by DuPage County.

Staff Recommendation

Approval of a resolution accepting the public water main improvements for Panattoni Warehouse at 7879 Lemont Road.

MSC Recommendation

The Municipal Services Committee reviewed this issue at their meeting on August 27, 2018. They voted 3-0 to recommend approval as presented.

Pending Meeting Schedule

Municipal Services Committee:	August 27, 2018
City Council:	September 4, 2018

Telephone: 312-288-7188
Website: www.willistowerswatson.com
E-mail: Susan.Landreth@willistowerswatson.com

August 3, 2018

Panattoni Development Company, Inc.
Attn: Rebecca Orig
7887 E. Belleview Avenue, Suite 475
Denver, CO 80111

RE: **Bond Number: 800034560**
Obligee: City of Darien
Description: Maintenance of the wetlands installed at 7879 Lemont Road in Dairen, IL

Attached is the completed document per your request. This was issued based upon the information you provided to our office and we urge you to check all of the information for accuracy (i.e. Power of Attorney, signatures, dates, amounts, description, etc.).

Please verify that the form attached is the form required and complete the execution with the proper signature(s) and seal.

If a premium is charged, our invoice will follow under a separate cover. Please note the premium payment for this bond is due upon receipt.

Thank you for the opportunity to service your surety needs. Should you have any questions, please do not hesitate to contact any member of your Willis Towers Watson Surety Team.

Sincerely,

Susan K. Landreth

MAINTENANCE BOND

BOND NUMBER 800034560

KNOW ALL MEN BY THESE PRESENTS, That we, 7879 Lemont Road, LLC
8775 Folsom Blvd., Suite 200, Sacramento, CA 95826
(hereinafter called the Principal), and Atlantic Specialty Insurance Company corporation (hereinafter called the
Surety), are held and firmly bound unto City of Darien
1702 Plainfield Road
Darien, IL 60561

(hereinafter called the Obligee), in the full and just sum of Fifty Five Thousand Three Hundred Nine Dollars and 38/100
(55,309.38) Dollars.

lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves, our heirs, administrators,
executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has entered into a certain contract with the Obligee dated _____
For Maintenance of the wetlands installed at 7879 Lemont Road in Darien, IL

which contract has been or is about to be completed and accepted.

AND WHEREAS, specifications and contract provided that 7879 Lemont Road, LLC
should guarantee the project free from defects caused by faulty workmanship and materials for a period of Two years, general wear
and tear excepted.

NOW, THEREFORE, if the said project shall be free from defects of workmanship and materials, general wear and tear excepted,
for a period of Two years, then this obligation shall be null and void; otherwise to remain in full force and effect.

Signed, sealed and delivered August 3, 2018

Witness as to 7879 Lemont Road, LLC (Seal)
Principal _____ (Seal)
_____ (Seal)



Atlantic Specialty Insurance Company
Joshua Sanford Attorney-in-fact

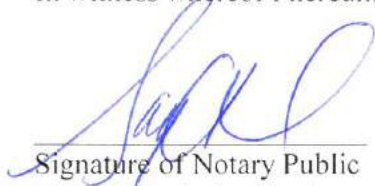
NOTARY ACKNOWLEDGMENT OF SURETY:

State of Connecticut

County of Hartford ss.

On this the 3rd day of August, 2018, before me, Saykham Chanthasone, the undersigned officer, personally appeared Joshua Sanford, known to me (or satisfactorily proven) to be the person whose name is subscribed as Attorney-In-Fact for Atlantic Specialty Insurance Company, and acknowledged that s/he executed the same as the act of his/her principal for the purposes therein contained.

In witness whereof I hereunto set my hand.



Signature of Notary Public

Date Commission Expires: October 31, 2018

Saykham Chanthasone

Printed Name of Notary

SAYKHAM CHANTHASONE
NOTARY PUBLIC - CT 165366
MY COMMISSION EXPIRES OCT. 31, 2018



Power of Attorney

Surety Bond No: 800034560

Principal: 7879 Lemont Road, LLC

Obligee: City of Darien

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: Joshua Sanford, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **sixty million dollars (\$60,000,000)** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

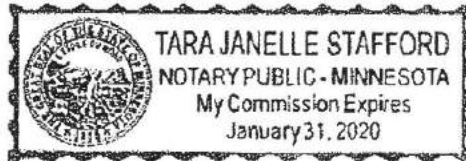
IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this fourteenth day of October, 2015.




By 
Paul J. Brehm, Senior Vice President

STATE OF MINNESOTA
HENNEPIN COUNTY

On this fourteenth day of October, 2015, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.





Notary Public

I, the undersigned, Assistant Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 3rd day of August, 2018.




James G. Jordan, Assistant Secretary



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

July 20, 2018

City of Darien
1702 Plainfield Road
Darien, IL 60561

Attention: Steve Manning

Subject: 7879 Lemont Road
(CBBEL Project No. 950323.H197)

Dear Steve:

As requested by email on July 17, 2018, a final inspection of the above property was made on July 18, 2018. The purpose of the site visit was to verify that site improvements continue to be in good condition at the end of the one-year maintenance period. It is our finding that the improvements are in good condition and we have no objection to the maintenance security being released. Please note that there is also a security for the wetlands and buffer plantings in the amount of \$55,309.38, and that security shall not be released or reduced until authorized in writing to do so by DuPage County.

If you have any questions, please feel free to contact me.

Sincerely,

Daniel L. Lynch, PE, CFM
Head, Municipal Engineering Department



RESOLUTION NO. _____

**A RESOLUTION ACCEPTING
PUBLIC WATER MAIN IMPROVEMEMTS**

(Panattoni Warehouse - 7879 Lemont Road)

WHEREAS, the Alston Construction Company, developer of the property known as the Panattoni Warehouse at 7879 Lemont Road in the City of Darien, has constructed and installed certain improvements including water main, storm sewer and detention, and wetlands landscaping on said property; and

WHEREAS, the Alston Construction Company had previously filed with the City of Darien a Subdivision Bond No. 47-SUR-300037-01-0006 in the amount of \$549,104.00 securing the construction, installation, and one year maintenance of said improvements; and

WHEREAS, the said improvements were completed one year ago and have been maintained in good repair since then in accordance with the City of Darien standards and requirements; and

WHEREAS, a portion of said improvements pertain to wetlands landscaping and include vegetation monitoring, weed management, and annual reports for a period of three years as required by DuPage County; and

WHEREAS, the portion of said Subdivision Bond pertaining to said wetlands landscaping in the amount of \$55,309.38 and security for said wetlands landscaping must be held until release is approved by DuPage County; and

WHEREAS, the Alston Construction Company has filed a satisfactory completion bond to the City of Darien as security for said wetlands landscaping for the required three year period; and

WHEREAS, in accordance with City regulations it is now appropriate for the City of Darien to accept said public water main improvements and to release said Subdivision Bond.

RESOLUTION NO. _____

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: Acceptance. The City of Darien hereby accepts the final conveyance and dedication of the public water main improvements constructed and installed with the Panattoni Warehouse development.

SECTION 2: Effective Date. This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

AGENDA MEMO
City Council
September 4, 2018

ISSUE STATEMENT

Approval of a resolution awarding a contract extension to Homer Tree Care, Inc in an amount not to exceed \$155,515.00, for the City's 2018/2019 Tree Trimming and Removal Program.

RESOLUTION

BACKGROUND/HISTORY

The proposed contract is the first of two contract extensions. The Tree Trimming and Removal Contract was awarded to Homer Tree Care on August 7, 2017, Res. No R-86-17 with two optional annual contract extensions. Homer Tree Care, Inc. has acknowledged the extension and accepts the extension as presented.

This year's tree trimming program consists of trimming approximately 1,750 parkway trees, approximately 65-1500 DBH, tree removals and stump grinding. Below are the subdivisions to be trimmed:

- Hinsbrook
- Plainfield Highlands

This year's program also includes contract pricing for the *Private Property Tree Trimming Program* to all the residents. The program would allow residents to have their private property trees trimmed or removed and stump grinding at the resident's expense. The trimming will include removal of perished, diseased, interfering, and weak branches, as well as removal of under branches as requested. The bid included unit prices for Private Property Tree Trimming that would be paid for directly by the residents. The bid price for the Private Property tree trimming is \$250.00 per tree in the front yard and \$375.00 per tree in the back yard. The contract also includes unit pricing for private property tree removal, and stump grinding and emergency services. The contract begins on December 3, 2018 through November 29, 2019.

Private Property Tree Trimming

Tree Trimming – Front Yard	Each	\$ 250.00
Tree Trimming – Back Yard	Each	\$ 375.00
Tree Removal per DBH (Front)	Per Inch	\$ 35.00
Tree Removal per DBH (Back)	Per Inch	\$ 50.00
Stump Grinding – Front	Each	\$ 150.00
Stump Grinding – Back	Each	\$ 200.00

Please find labeled as [Attachment A](#), the bid results that were opened on July 17, 2017. The proposed contract is the first contract extension for 2018-19 and Homer has agreed to accept the extension, see [Attachment B](#).

2018-19 City of Darien Tree Removal Schedule				
DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	COST
Tree Trimming	Each	1,750	\$ 52.00	\$ 91,000.00
Tree Removal per DBH	Per Inch	1500	\$ 26.25	\$ 39,375.00
Stump Removal	Each	120	\$ 94.50	\$ 11,340.00
Emergency – Storm/Hazards	Hourly	AS REQUIRED	\$ 200.00	\$ 15,000.00
Total Cost				\$ 156,715.00
Funds Utilized to Date 8-20-18				\$ 1,200.00
Total Funds Available				\$ 155,515.00

The proposed expenditure would be expended from the following accounts:

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 18/19 BUDGET	EXPENDITURE TO DATE 8-20-18	PROPOSED EXPENDITURE
01-30-4375	TREE TRIMMING	\$156,715.00	\$1,200.00	\$155,515.00

COMMITTEE RECOMMENDATION

The Municipal Services Committee recommends approval of a resolution awarding a contract extension to Homer Tree Care, Inc. an amount not to exceed \$155,515.00 for the City's 2018/19 Tree Trimming and Removal Program. Homer Tree Care has provided very satisfactory tree care services for the City in the past.

ALTERNATE DECISION

As directed by the City Council.

DECISION MODE

This item will be placed on the September 4, 2018 City Council agenda for formal consideration.

City of Darien Parkway		Homer Tree Care, Inc						
Fiscal Year			2017/2018		2018/2019		2019/2020	
DESCRIPTION	UNIT	PROPOSED UNITS	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
Tree Trimming	Each	1,750	\$ 49.50	\$ 86,625.00	\$ 52.00	\$ 91,000.00	\$ 52.00	\$ 91,000.00
Tree Removal per DBH	Per Inch	100	\$ 25.00	\$ 2,500.00	\$ 26.25	\$ 2,625.00	\$ 26.25	\$ 2,625.00
Misc Stump Removal	Each	20	\$ 90.00	\$ 1,800.00	\$ 94.50	\$ 1,890.00	\$ 94.50	\$ 1,890.00
Subtotal - Section A			\$ 164.50	\$ 90,925.00	\$ 172.75	\$ 95,515.00	\$ 172.75	\$ 95,515.00
DESCRIPTION	UNIT	PROPOSED UNITS	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
Tree Trimming-Front Yard	Each	1	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00
Tree Trimming-Back Yard	Each	1	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00
Tree Removal per DBH (Front)	Per Inch	1	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00	\$ 35.00
Tree Removal per DBH (Back)	Per Inch	1	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
Stump Grinding-Front	Each	1	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
Stump Grinding-Back	Each	1	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00
Subtotal - Section B			\$ 1,060.00	\$ 1,060.00	\$ 1,060.00	\$ 1,060.00	\$ 1,060.00	\$ 1,060.00
Emergency Services		40	\$ 200.00	\$ 8,000.00	\$ 200.00	\$ 8,000.00	\$ 200.00	\$ 8,000.00
TOTAL - SECTIONS A, B & C				\$ 99,985.00		\$ 104,575.00		\$ 104,575.00

MEMO

From: Ryan Countryman
To: [Regina Kokkinis](#)
Cc: [Dan Gombac](#); [Jim Reiter](#)
Subject: RE: City of Darien 2018-19 tree trimming
Date: Monday, August 20, 2018 7:21:58 AM

Confirmed, Homer Tree Care is in agreement to the extension.

Thank you,

Ryan P. Countryman

Certified Arborist IL 5140A
CTSP 1093
TRAQ Qualified
Homer Tree Care
Residential/Municipal Division
14000 S. Archer Ave.
Lockport, IL 60441
Main Office 815-838-0320
Fax 815-838-0375

RyanCountryman@homertree.com



From: Regina Kokkinis [mailto:rkokkinis@darienil.gov]
Sent: Thursday, August 16, 2018 3:28 PM
To: Ryan Countryman <RyanCountryman@homertree.com>
Cc: Dan Gombac <dgombac@darienil.gov>
Subject: City of Darien 2018-19 tree trimming

Good Day,

Attached, please see the pricing schedule for 2018 as it relates to the subject line.

The City would like to extend the contract per the proposed pricing schedule.
Please confirm that you are in agreement.

Thank you,

Regina Kokkinis

Administrative Assistant – Municipal Services

City of Darien

630-353-8105

To receive important information from the City of Darien sign up for our electronic newsletter:

DARIEN DIRECT CONNECT

Follow the link and subscribing is simple!

<http://www.darien.il.us/Reference-Desk/DirectConnect.aspx>



RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR TO AWARD A CONTRACT EXTENSION TO HOMER TREE CARE, INC IN AN AMOUNT NOT TO EXCEED \$155,515.00 FOR THE CITY’S 2018/2019 TREE TRIMMING AND REMOVAL PROGRAM

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien, hereby authorizes the Mayor to award a contract extension to Homer Tree Care, Inc. in an amount not to exceed \$155,515.00 for the City’s 2018/2019 Tree Trimming and Removal Program, a copy of which is attached hereto as, [“Exhibit A.”](#)

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

CITY OF DARIEN

CONTRACT

This Contract is made this ____ day of _____, 20__ by and between the City of Darien (hereinafter referred to as the "CITY") and _____ (hereinafter referred to as the "CONTRACTOR").

WITNESSETH

In consideration of the promises and covenants made herein by the CITY and the CONTRACTOR (hereinafter referred to collectively as the "PARTIES"), the PARTIES agree as follows:

SECTION 1: THE CONTRACT DOCUMENTS: This Contract shall include the following documents (hereinafter referred to as the "CONTRACT DOCUMENTS") however this Contract takes precedence and controls over any contrary provision in any of the CONTRACT DOCUMENTS. The Contract, including the CONTRACT DOCUMENTS, expresses the entire agreement between the PARTIES and where it modifies, adds to or deletes provisions in other CONTRACT DOCUMENTS; the Contract's provisions shall prevail. Provisions in the CONTRACT DOCUMENTS unmodified by this Contract shall be in full force and effect in their unaltered condition.

The Invitation to Bid

The Instructions to the Bidders

This Contract

The Terms and Conditions

The Bid as it is responsive to the CITY'S bid requirements

All Certifications required by the City

Certificates of insurance

Performance and Payment Bonds as may be required by the CITY

SECTION 2: SCOPE OF THE WORK AND PAYMENT: The CONTRACTOR agrees to provide labor, equipment and materials necessary to provide the services as described in the CONTRACT DOCUMENTS and further described below:

Unit Pricing for Tree Trimming, Removals and Stump Grinding within the City of Darien and Tree Trimming, Removals and Stump Grinding for Private Properties

(Hereinafter referred to as the "WORK") and the CITY agrees to pay the CONTRACTOR pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*) the following amount for performance of the described unit prices.

SECTION 3: ASSIGNMENT: CONTRACTOR shall not assign the duties and obligations involved in the performance of the WORK which is the subject matter of this Contract without the written consent of the CITY.

SECTION 4: TERM OF THE CONTRACT: This Contract shall commence on the date of its execution. The WORK shall commence upon receipt of a Notice to Proceed and continue expeditiously for 30 days from that date until final completion. This Contract shall terminate upon completion of the WORK, but may be terminated by either of the PARTIES for default upon failure to cure after ten (10) days prior written notice of said default from the aggrieved PARTY. The CITY, for its convenience, may terminate this Contract with thirty (30) days prior written notice.

SECTION 5: INDEMNIFICATION AND INSURANCE: The CONTRACTOR shall indemnify and hold harmless the CITY, PARK DISTRICT, its officials, officers, directors, agents, employees and representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liability of any character, incurred due to the alleged negligence of the CONTRACTOR, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said CONTRACTOR, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the CONTRACT DOCUMENTS, including any claims or amounts

recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the CITY, its officials, officers, directors, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The CONTRACTOR shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities. The Contractor shall not make any settlement or compromise of a lawsuit or claim, or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the City and any other indemnified party. The City or any other indemnified party, in its or their sole discretion, shall have the option of being represented by its or their own counsel. If this option is exercised, then the Contractor shall promptly reimburse the City or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the City or other indemnified party in connection therewith. Execution of this Contract by the CITY is contingent upon receipt of Insurance Certificates provided by the CONTRACTOR in compliance with the CONTRACT DOCUMENTS.

SECTION 6: COMPLIANCE WITH LAWS: The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state, local and City governments, which may in any manner affect the preparation of bids or the performance of the Contract. Bidder hereby agrees that it will comply with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., including the provision dealing with sexual harassment and that if awarded the Contract will not engage in any prohibited form of discrimination in employment as defined in that Act and will require that its subcontractors agree to the same restrictions. The contractor shall maintain, and require that its subcontractors maintain, policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. Contractors and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. Contractors and all subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed. If awarded the Contract, contractor must comply with all provisions including, but not limited to, providing certified payroll records to the Municipal Services Department. Contractor and subcontractors shall be required to comply with all applicable federal laws, state laws and regulations regarding minimum wages, limit on payment to minors, minimum fair wage standards for minors, payment of wage due employees, and health and safety of employees. Contractor and subcontractor are required to pay employees all rightful salaries, medical benefits, pension and social security benefits pursuant to applicable labor agreements and federal and state statutes and to further require withholdings and deposits therefore. The CONTRACTOR shall obtain all necessary local and state licenses and/or permits that may be required for performance of the WORK and provide those licenses to the CITY prior to commencement of the WORK if applicable.

SECTION 7: NOTICE: Where notice is required by the CONTRACT DOCUMENTS it shall be considered received if it is delivered in person, sent by registered United States mail, return receipt requested, delivered by messenger or mail service with a signed receipt, sent by facsimile or e-mail with an acknowledgment of receipt, to the following:

City of Darien
1702 Plainfield Road
Darien, IL 60561
Attn: Director of Municipal Services

SECTION 8: STANDARD OF SERVICE: Services shall be rendered to the highest professional standards to meet or exceed those standards met by others providing the same or similar services in the Chicagoland area. Sufficient competent personnel shall be provided who with supervision shall complete the services required within the time allowed for performance. The CONTRACTOR'S personnel shall, at all times present a neat appearance and shall be trained to handle all contact with City residents or City employees in a respectful manner. At the request of the City Administrator or a designee, the CONTRACTOR shall replace any incompetent, abusive or disorderly person in its employ.

SECTION 9: PAYMENTS TO OTHER PARTIES: The CONTRACTOR shall not obligate the CITY to make payments to third parties or make promises or representations to third parties on behalf of the CITY without prior written approval of the City Administrator or a designee.

SECTION 10: COMPLIANCE: CONTRACTOR shall comply with all of the requirements of the Contract Documents, including, but not limited to, all other applicable local, state and federal statutes, ordinances, codes, rules and regulations.

SECTION 11: LAW AND VENUE: The laws of the State of Illinois shall govern this Contract and venue for legal disputes shall be DuPage County, Illinois.

SECTION 12: MODIFICATION: This Contract may be modified only by a written amendment signed by both PARTIES.

FOR: THE CITY

FOR: THE CONTRACTOR

By: _____

By: _____

Print Name: _____

Print Name: _____

Title: Mayor

Title: _____

Date: _____

Date: _____

Vendor Information

The project is scheduled for a December 1, 2017 start date, and to be completed by no later than March 1, 2018. Two optional contract extensions may be considered and will be reviewed for recommendation by November of the respective subsequent year.

TO BE COMPLETED BY VENDOR

COMPANY NAME: Homer Tree Care Inc.

CONTACT PERSON: James Reiter

ADDRESS: 14000 S. Archer Ave

CITY, STATE, ZIP CODE: Lockport, IL 60441

TELEPHONE NUMBER: Office 815-838-0320 Mobile 815-546-7486

FACSIMILE NUMBER: 815-838-0375

E-MAIL ADDRESS JimReiter@homertree.com

AUTHORIZED SIGNATURE: 

Schedule of Prices – 2018/19

Item No.	Items	Unit	Quantity	Unit Price	Total
A	City of Darien Program				
A 1	Tree Trimming-Parkways	Each	1750	52	91,000
A 2	Tree Removal cost per DBH	Per Inch	100	26.25	2,625
A 3	Stump Removal	Each	20	94.50	1,890
	Sub-Total A1 – A3				
B	Private Property Program				
B 1	Tree Trimming - Front Yard	Each	1	250	250
B 2	Tree Trimming - Back Yard	Each	1	375	375
B 3	Tree Removal cost per DBH - Front yard	Per Inch	1	35	35
B 4	Tree Removal cost per DBH - Back yard	Per Inch	1	50	50
B 5	Stump Grinding – Front Yard	Each	1	150	150
B 6	Stump Grinding – Back Yard	Each	1	200	200
	Sub-Total B1 – B6				
C	Emergency Services				
C 1	2 man crew with operating equipment, bucket truck and 15 cubic yard capacity truck with a 100 hp brush chipper	Hourly	40	200	8,000
	Sub-Total C1				
	Total Cost Sections A, B and C				
	Bid Bond is 5% of Total Costs- Sections A,B and C				\$104,575.00

The contract will be awarded on a Total Cost – All quantities are subject to decrease or increase.

AGENDA MEMO
City Council
September 4, 2018

ISSUE STATEMENT

Approval of a resolution accepting the unit price proposal from Ramiro Guzman Landscaping, Inc. for the purchase and installation of the 50/50 Parkway Tree Program and the Parkway Tree Replacement Program in an amount not to exceed \$35,755.00.

RESOLUTION

BACKGROUND/HISTORY

The 2018 Tree Planting Program calls out for the following:

- **City and Resident 50/50 Parkway Tree Planting Program**
Staff has included \$4,000 (\$2,000 City funding and \$2,000 Resident funding) cost for residents that would like to participate in the 50/50 program.
- **Storm, Ash Tree, and Project Related Replacement**
The program would allow for the planting of 2.5-inch caliper trees as part of the replacement of trees removed due to the Emerald Ash Borer.

Staff had advertised and sent out invitations to bid and received four (4) sealed bids on July 31, 2018, attached and labeled as [Attachment A](#). Ramiro Guzman Landscaping, Inc. was the lowest bidder.

The program includes various selections of 2 ½ - 4 inch caliper trees, planting, mulching and a one year guarantee. The program again includes a Private Property Tree Planting Program for residents at a pass through cost, see [Attachment B](#). While the City is administering the Private Property Tree Planting Program, the property owner would be responsible for ordering and providing a payment directly to the awarded vendor.

The program is targeted to begin in late September, pending weather and will be advertised through the City's various media portals thus affording residents ample time to participate in the program. The Ramiro Guzman Landscaping, Inc. has performed very satisfactory on landscaping projects for the City in the past.

COMMITTEE RECOMMENDATION

The Municipal Services Committee recommends approval accepting the unit price proposal from Ramiro Guzman Landscaping, Inc. for the purchase and installation of the 50/50 Parkway Tree Program and the planting of various parkway trees in an amount not to exceed \$35,755.00

ALTERNATE CONSIDERATION

As directed by the City Council.

DECISION MODE

This item will be placed on the September 4, 2018 City Council agenda for formal consideration.



SEALED BID-TREE PLANTING & MULCHING PROGRAM
 OPENING DATE/TIME: July 31, 2018 10:00 a.m.

**2018 CITY OF DARIEN - TREE PLANTING PARKWAYS & PRIVATE PROPERTY
 BID OPENING RESULTS JULY 31, 2018**

VENDOR			Beary Landscaping, Inc.	Americana Landscape Group	Acres Group	Ramiro Guzman Landscaping, Inc.
VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED PARKWAYS	PRICE PER TREE PLANTED PARKWAYS	PRICE PER TREE PLANTED PARKWAYS	PRICE PER TREE PLANTED PARKWAYS
1-10	4"	American Linden	\$ 690.00	\$ 450.00	\$ 690.00	\$ 375.00
11-20	4"	American Linden	\$ 690.00	\$ 450.00	\$ 690.00	\$ 375.00
1-10	4"	Norway Maple	\$ 690.00	\$ 450.00	\$ 690.00	\$ 375.00
11-20	4"	Norway Maple	\$ 690.00	\$ 450.00	\$ 690.00	\$ 375.00
1 - 10	4"	Thornless Honeylocust	\$ 690.00	\$ 450.00	\$ 695.00	\$ 375.00
11-20	4"	Thornless Honeylocust	\$ 690.00	\$ 450.00	\$ 695.00	\$ 375.00
1 - 10	4"	Red Maple	\$ 690.00	\$ 450.00	\$ 695.00	\$ 375.00
11-20	4"	Red Maple	\$ 690.00	\$ 450.00	\$ 695.00	\$ 375.00
1 - 10	4"	Chanticleer Pear	\$ 615.00	\$ 450.00	\$ 690.00	\$ 375.00
11-20	4"	Chanticleer Pear	\$ 615.00	\$ 450.00	\$ 690.00	\$ 375.00
1 - 10	4'	Freeman Maple	\$ 655.00	\$ 450.00	\$ 690.00	\$ 375.00
11-20	4'	Freeman Maple	\$ 655.00	\$ 450.00	\$ 690.00	\$ 375.00
1 - 10	4'	Sugar Maple	\$ 690.00	\$ 450.00	\$ 710.00	\$ 375.00
11-20	4'	Sugar Maple	\$ 690.00	\$ 450.00	\$ 710.00	\$ 375.00
11-20	2.5"	American Linden	\$ 385.00	\$ 298.00	\$ 300.00	\$ 280.00
1 - 10	2.5"	Norway Maple	\$ 380.00	\$ 298.00	\$ 290.00	\$ 280.00
11-20	2.5"	Norway Maple	\$ 380.00	\$ 298.00	\$ 290.00	\$ 280.00
1 - 10	2.5"	Honeylocust Skyline	\$ 380.00	\$ 298.00	\$ 300.00	\$ 280.00
11-20	2.5"	Honeylocust Skyline	\$ 380.00	\$ 298.00	\$ 300.00	\$ 280.00
1-10	2.5"	Red Maple	\$ 375.00	\$ 298.00	\$ 310.00	\$ 280.00
11-20	2.5"	Red Maple	\$ 375.00	\$ 298.00	\$ 310.00	\$ 280.00
1-10	2.5"	Chanticleer Pear	\$ 355.00	\$ 298.00	\$ 300.00	\$ 280.00
11-20	2.5"	Chanticleer Pear	\$ 355.00	\$ 298.00	\$ 300.00	\$ 280.00
1-10	2.5"	Freeman Maple	\$ 370.00	\$ 298.00	\$ 310.00	\$ 280.00
11-20	2.5"	Freeman Maple	\$ 370.00	\$ 298.00	\$ 310.00	\$ 280.00
1-10	2.5"	Sugar Maple	\$ 380.00	\$ 298.00	\$ 300.00	\$ 280.00
11-20	2.5"	Sugar Maple	\$ 380.00	\$ 298.00	\$ 300.00	\$ 280.00
1-15	6-foot high	Colorado Blue Spruce	\$ 325.00	\$ 290.00	\$ 210.00	\$ 280.00
Sub Total Cost - Parkway			\$ 14,630.00	\$ 10,464.00	\$ 13,850.00	\$ 9,170.00
VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED PRIVATE	PRICE PER TREE PLANTED PRIVATE	PRICE PER TREE PLANTED PRIVATE	PRICE PER TREE PLANTED PRIVATE
1-20	2.5"	American Linden	\$ 480.00	\$ 298.00	\$ 350.00	\$ 280.00
1-20	2.5"	Norway Maple	\$ 475.00	\$ 298.00	\$ 350.00	\$ 280.00
1-20	2.5"	Honeylocust Skyline	\$ 475.00	\$ 300.00	\$ 375.00	\$ 280.00
1-20	2.5"	Red Maple	\$ 470.00	\$ 298.00	\$ 375.00	\$ 280.00
1-20	2.5"	Chanticleer Pear	\$ 450.00	\$ 298.00	\$ 350.00	\$ 280.00
1-20	2.5"	Aristocrat Pear	\$ 450.00	\$ 298.00	\$ 350.00	\$ 280.00
1-20	2.5"	Swamp White Oak	\$ 515.00	\$ 308.00	\$ 375.00	\$ 280.00
1-20	2.5"	Freeman Maple	\$ 470.00	\$ 300.00	\$ 375.00	\$ 280.00
1-20	2.5"	Sugar Maple	\$ 475.00	\$ 298.00	\$ 375.00	\$ 280.00
1-20	2.5"	Kentucky Coffeetree	\$ 595.00	\$ 308.00	\$ 375.00	\$ 280.00
1-20	2.5"	Purple Maple	\$ 495.00	\$ 298.00	\$ 495.00	\$ 280.00
1-20	2.5"	Northern Red Oak	\$ 515.00	\$ 308.00	\$ 375.00	\$ 280.00
1-20	2.5"	Littleleaf Linden	\$ 485.00	\$ 300.00	\$ 375.00	\$ 280.00
1-20	2.5"	Smoothleaf Elm	\$ 495.00	\$ 312.00	\$ 375.00	\$ 280.00
Sub Total Cost - Private Property			\$ 6,845.00	\$ 4,222.00	\$ 5,270.00	\$ 3,920.00
A. Sub Total Cost Parkways			\$ 14,630.00	\$ 10,464.00	\$ 13,850.00	\$ 9,170.00
B. Sub Total Cost Private Property			\$ 6,845.00	\$ 4,222.00	\$ 5,270.00	\$ 3,920.00
Total Cost A+B			\$ 21,475.00	\$ 14,686.00	\$ 19,120.00	\$ 13,090.00

bid bond present bid bond present bid bond present bond check



**CITY OF DARIEN TREE PLANTING PROGRAM SCHEDULE 2018
CITY TREE REPLACEMENTS-50/50 TREE PROGRAM
RAMIRO GUZMAN LANDSCPING, INC.**

50/50 TREE PROGRAM							
50/50 PARTICIPATION TO BE CONFIRMED	DIAMETER	SPECIES	PLANTED PRICE PER TREE	TOTAL TREE COST	50/50 PROGRAM	CITY COSTS	RESIDENT COST
2	2.5"	American Linden	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Norway Maple	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Honeylocust Skyline	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Red Maple	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Chanticleer Pear	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Freeman Maple	\$280.00	\$560.00	2	\$280.00	\$280.00
2	2.5"	Sugar Maple	\$280.00	\$560.00	2	\$280.00	\$280.00
				\$3,920.00	14	\$1,960.00	\$1,960.00

PARKWAY TREE REPLACEMENTS-2.5 INCH					
QUANTITY	DIAMETER	SPECIES	PLANTED PRICE PER TREE	TOTAL TREE COST	CITY COSTS
10	2.5"	American Linden	\$280.00	\$2,800.00	\$2,800.00
10	2.5"	Norway Maple	\$280.00	\$2,800.00	\$2,800.00
10	2.5"	Honeylocust Skyline	\$280.00	\$2,800.00	\$2,800.00
30	2.5"	Red Maple	\$280.00	\$8,400.00	\$8,400.00
20	2.5"	Chanticleer Pear	\$280.00	\$5,600.00	\$5,600.00
12	2.5"	Freeman Maple	\$280.00	\$3,360.00	\$3,360.00
15	2.5"	Sugar Maple	\$280.00	\$4,200.00	\$4,200.00
107				\$29,960.00	\$29,960.00

PARKWAY TREE REPLACEMENTS 75 STREETS -4 INCH					
QUANTITY	DIAMETER	SPECIES	PLANTED PRICE PER TREE	TOTAL TREE COST	CITY COSTS
0	4"	American Linden	\$375.00	\$0.00	\$0.00
1	4"	Norway Maple	\$375.00	\$375.00	\$375.00
1	4"	Thornless Honeylocust	\$375.00	\$375.00	\$375.00
1	4"	Red Maple	\$375.00	\$375.00	\$375.00
1	4"	Chanticleer Pear	\$375.00	\$375.00	\$375.00
1	4"	Freeman Maple	\$375.00	\$375.00	\$375.00
0	4"	Sugar Maple	\$375.00	\$0.00	\$0.00
5				\$1,875.00	\$1,875.00

	TOTAL TREE COST	2.5 INCH PARKWAY TREE REPLACEMENT CITY COSTS	4-INCH 75TH Street AND PARKWAY TREES CITY COSTS	CITY COST 50/50 PROGRAM	RESIDENT COST 50/50 PROGRAM
TOTAL TREE PROGRAM COST	\$ 35,755.00	\$ 29,960.00	\$ 1,875.00	\$ 1,960.00	\$ 1,960.00

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	FY 18/19 BUDGET	PROPOSED EXPENDITURE	REINBURSEMENT	PROPOSED BALANCE
01-30-4350	FORESTRY-RESIDENTIAL 50/50 PROGRAM - AND PARKWAY REPLACEMENTS City Expense	\$4,000.00	\$3,920.00	N/A	\$80.00
01-30-4350	FORESTRY-RESIDENTIAL 50/50 PROGRAM - Resident Reimbursement Expense	\$2,000.00	N/A	\$1,960.00	\$40.00
01-30-4350	Forestry - Parkway Replacement Trees-City Removals	\$30,000.00	\$29,960.00	N/A	\$40.00
01-30-4350	Forestry -Replacement Trees - 75th Street	\$2,000.00	\$1,875.00	N/A	\$125.00
TOTALS		\$38,000.00	\$35,755.00	\$1,960.00	\$285.00



RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR TO ACCEPT THE UNIT PRICE PROPOSAL FROM RAMIRO GUZMAN LANDSCAPING, INC. FOR THE PURCHASE AND INSTALLATION OF THE 50/50 PARKWAY TREE PROGRAM AND THE PARKWAY TREE REPLACEMENT PROGRAM IN AN AMOUNT NOT TO EXCEED \$35,755.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: The City Council of the City of Darien hereby authorizes the Mayor to accept the unit price proposal from Ramiro Guzman Landscaping, Inc. for the purchase and installation of the 50/50 Parkway Tree Program and the Parkway Tree Replacement Program in an amount not to exceed \$35,755.00, a copy of which is attached hereto as "**Exhibit A**".

SECTION 2: This Resolution shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY



CITY OF DARIEN

CONTRACT

This Contract is made this _____ day of _____, 20__ by and between the City of Darien (hereinafter referred to as the "CITY") and _____ (hereinafter referred to as the "CONTRACTOR").

WITNESSETH

In consideration of the promises and covenants made herein by the CITY and the CONTRACTOR (hereinafter referred to collectively as the "PARTIES"), the PARTIES agree as follows:

SECTION 1: THE CONTRACT DOCUMENTS: This Contract shall include the following documents (hereinafter referred to as the "CONTRACT DOCUMENTS") however this Contract takes precedence and controls over any contrary provision in any of the CONTRACT DOCUMENTS. The Contract, including the CONTRACT DOCUMENTS, expresses the entire agreement between the PARTIES and where it modifies, adds to or deletes provisions in other CONTRACT DOCUMENTS; the Contract's provisions shall prevail. Provisions in the CONTRACT DOCUMENTS unmodified by this Contract shall be in full force and effect in their unaltered condition.

The Invitation to Bid

The Instructions to the Bidders

This Contract

The Terms and Conditions

The Bid as it is responsive to the CITY'S bid requirements

All Certifications required by the City

Certificates of insurance

Performance and Payment Bonds as may be required by the CITY

SECTION 2: SCOPE OF THE WORK AND PAYMENT: The CONTRACTOR agrees to provide labor, equipment and materials necessary to provide the services as described in the CONTRACT DOCUMENTS and further described below:

Tree Planting and Mulching for parkways within the City of Darien and Tree Planting and Mulching for private properties-Unit Pricing

(Hereinafter referred to as the "WORK") and the CITY agrees to pay the CONTRACTOR pursuant to the provisions of the Local Government Prompt Payment Act (50 ILCS 505/1 *et seq.*) the following amount for performance of the described unit prices.

SECTION 3: ASSIGNMENT: CONTRACTOR shall not assign the duties and obligations involved in the performance of the WORK which is the subject matter of this Contract without the written consent of the CITY.

SECTION 4: TERM OF THE CONTRACT: This Contract shall commence on the date of its execution. The WORK shall commence upon receipt of a Notice to Proceed and continue expeditiously for 30 days from that date until final completion. This Contract shall terminate upon completion of the WORK, but may be terminated by either of the PARTIES for default upon failure to cure after ten (10) days prior written notice of said default from the aggrieved PARTY. The CITY, for its convenience, may terminate this Contract with thirty (30) days prior written notice.

SECTION 5: INDEMNIFICATION AND INSURANCE: The CONTRACTOR shall indemnify and hold harmless the CITY, PARK DISTRICT, its officials, officers, directors, agents, employees and representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liability of any character, incurred due to the alleged negligence of the CONTRACTOR, brought because of any injuries or damages received or sustained by any person, persons or property on account of any act or omission, neglect or misconduct of said CONTRACTOR, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the CONTRACT DOCUMENTS, including any claims or amounts recovered for any infringements of

patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the CITY, its officials, officers, directors, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The CONTRACTOR shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities. The Contractor shall not make any settlement or compromise of a lawsuit or claim, or fail to pursue any available avenue of appeal of any adverse judgment, without the approval of the City and any other indemnified party. The City or any other indemnified party, in its or their sole discretion, shall have the option of being represented by its or their own counsel. If this option is exercised, then the Contractor shall promptly reimburse the City or other indemnified party, upon written demand, for any expenses, including but not limited to court costs, reasonable attorneys' and witnesses' fees and other expenses of litigation incurred by the City or other indemnified party in connection therewith. Execution of this Contract by the CITY is contingent upon receipt of Insurance Certificates provided by the CONTRACTOR in compliance with the CONTRACT DOCUMENTS.

SECTION 6: COMPLIANCE WITH LAWS: The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state, local and City governments, which may in any manner affect the preparation of bids or the performance of the Contract. Bidder hereby agrees that it will comply with all requirements of the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., including the provision dealing with sexual harassment and that if awarded the Contract will not engage in any prohibited form of discrimination in employment as defined in that Act and will require that its subcontractors agree to the same restrictions. The contractor shall maintain, and require that its subcontractors maintain, policies of equal employment opportunity which shall prohibit discrimination against any employee or applicant for employment on the basis of race, religion, color, sex, national origin, ancestry, citizenship status, age, marital status, physical or mental disability unrelated to the individual's ability to perform the essential functions of the job, association with a person with a disability, or unfavorable discharge from military service. Contractors and all subcontractors shall comply with all requirements of the Act and of the Rules of the Illinois Department of Human Rights with regard to posting information on employees' rights under the Act. Contractors and all subcontractors shall place appropriate statements identifying their companies as equal opportunity employers in all advertisements for workers to be employed in work to be performed. Contractor and subcontractors shall be required to comply with all applicable federal laws, state laws and regulations regarding minimum wages, limit on payment to minors, minimum fair wage standards for minors, payment of wage due employees, and health and safety of employees. Contractor and subcontractor are required to pay employees all rightful salaries, medical benefits, pension and social security benefits pursuant to applicable labor agreements and federal and state statutes and to further require withholdings and deposits therefore. The CONTRACTOR shall obtain all necessary local and state licenses and/or permits that may be required for performance of the WORK and provide those licenses to the CITY prior to commencement of the WORK if applicable.

SECTION 7: NOTICE: Where notice is required by the CONTRACT DOCUMENTS it shall be considered received if it is delivered in person, sent by registered United States mail, return receipt requested, delivered by messenger or mail service with a signed receipt, sent by facsimile or e-mail with an acknowledgment of receipt, to the following:

City of Darien
1702 Plainfield Road
Darien, IL 60561

Attn: Director of Municipal Services

SECTION 8: STANDARD OF SERVICE: Services shall be rendered to the highest professional standards to meet or exceed those standards met by others providing the same or similar services in the Chicagoland area. Sufficient competent personnel shall be provided who with supervision shall

complete the services required within the time allowed for performance. The CONTRACTOR'S personnel shall, at all times present a neat appearance and shall be trained to handle all contact with City residents or City employees in a respectful manner. At the request of the City Administrator or a designee, the CONTRACTOR shall replace any incompetent, abusive or disorderly person in its employ.

SECTION 9: PAYMENTS TO OTHER PARTIES: The CONTRACTOR shall not obligate the CITY to make payments to third parties or make promises or representations to third parties on behalf of the CITY without prior written approval of the City Administrator or a designee.

SECTION 10: COMPLIANCE: CONTRACTOR shall comply with all of the requirements of the Contract Documents, including, but not limited to, all other applicable local, state and federal statutes, ordinances, codes, rules and regulations.

SECTION 11: LAW AND VENUE: The laws of the State of Illinois shall govern this Contract and venue for legal disputes shall be DuPage County, Illinois.

SECTION 12: MODIFICATION: This Contract may be modified only by a written amendment signed by both PARTIES.

FOR: THE CITY

FOR: THE CONTRACTOR

By: _____

by:  _____

Print Name: _____

Print Name: Ramiro Gomez

Title: Mayor

Title: President

Date: _____

Date: 7/30/18

SECTION II

BIDDER SUMMARY SHEET

Tree Planting and Mulching for parkways within the City of Darien and Tree Planting and Mulching for private properties-Unit Pricing 2018

IN WITNESS WHEREOF, the parties hereto have executed this Bid as of date shown below.

Firm Name: Ramiro Guzman Landscaping, Inc

Address: 17146 S. Lily Cache Rd.

City, State, Zip Code: Plainfield, IL 60586

Contact Person: Ramiro Guzman

FEIN #: 26-2437906

Phone: (815) 782-5900 Fax: (815) 782-5880

E-mail Address: Ramiro.Guzman.Landscaping@Comcast.net

RECEIPT OF ADDENDA: The receipt of the following addenda is hereby acknowledged:

Addendum No. _____, Dated _____

Addendum No. _____, Dated _____

Regina Kokkinis

From: Ramiro Guzman <rglii@outlook.com>
Sent: Wednesday, August 1, 2018 8:53 AM
To: Dan Gombac
Cc: Regina Kokkinis; Kris Throm; John Carr
Subject: Re: Bid Tab-Tree Planting Program 4-inch trees

Yes, we will be supplying 4" Cal. Trees.

Thank you,

Ramiro A. Guzman (Tony)
Manager

Ramiro Guzman Landscaping, Inc.
Excellence In Exteriors.™
O: (815) 782-5900 | F: (815) 782-5880
RamiroGuzmanLandscaping.com

On Jul 31, 2018, at 3:28 PM, Dan Gombac <dgombac@darienil.gov> wrote:

Good afternoon Tony,

The 2018 tree planting quote was reviewed and tallied. Ramiro Guzman Landscaping Inc is the lowest competitive bidder and upon review it was identified that a "3" was added to the specification for the 4-inch caliper trees, see attached. As per our conversation this afternoon, please confirm that you will be supplying 4 inch diameter trees as per the bid spec.

Sincerely,

Daniel Gombac
Director of Municipal Services
630-353-8106

To receive important information from the City of Darien sign up for our electronic newsletter:
DARIEN DIRECT CONNECT
Follow the link below and subscribing is simple!
<http://www.darien.il.us/Departments/Administration/CityNews.html>

<Mail Attachment.eml>

CITY OF DARIEN TREE QUOTE - PARKWAYS

VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED
1-10	3" - 4"	American Linden	\$ 375
11-20	3" - 4"	American Linden	\$ 375
1-10	3" - 4"	Norway Maple	\$ 375
11-20	3" - 4"	Norway Maple	\$ 375
1-10	3" - 4"	Thornless Honeylocust	\$ 375
11-20	3" - 4"	Thornless Honeylocust	\$ 375
1-10	3" - 4"	Red Maple	\$ 375
11-20	3" - 4"	Red Maple	\$ 375
1-10	3" - 4"	Chanticleer Pear	\$ 375
11-20	3" - 4"	Chanticleer Pear	\$ 375
1-10	3" - 4"	Freeman Maple	\$ 375
11-20	3" - 4"	Freeman Maple	\$ 375
1-10	3" - 4"	Sugar Maple	\$ 375
11-20	3" - 4"	Sugar Maple	\$ 375
11-20	2.5"	American Linden	\$280
1-10	2.5"	Norway Maple	\$280
11-20	2.5"	Norway Maple	\$280
1-10	2.5"	Honeylocust Skyline	\$280
11-20	2.5"	Honeylocust Skyline	\$280
1-10	2.5"	Red Maple	\$280
11-20	2.5"	Red Maple	\$280
1-10	2.5"	Chanticleer Pear	\$280
11-20	2.5"	Chanticleer Pear	\$280

1 - 10	2.5"	Freeman Maple	\$ 280
11 - 20	2.5"	Freeman Maple	\$ 280
1 - 10	2.5"	Sugar Maple	\$ 280
11 - 20	2.5"	Sugar Maple	\$ 280
1 - 15	6-foot high	Colorado Blue Spruce	\$ 280
Sub Total Cost Parkway			\$ 9,170

CITY OF DARIEN TREE QUOTE - PRIVATE

VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED
1 - 20	2.5"	American Linden	\$ 280
1 - 20	2.5"	Norway Maple	\$ 280
1 - 20	2.5"	Honeylocust Skyline	\$ 280
1 - 20	2.5"	Red Maple	\$ 280
1 - 20	2.5"	Chanticleer Pear	\$ 280
1 - 20	2.5"	Aristocrat Pear	\$ 280
1 - 20	2.5"	Swamp White Oak	\$ 280
1 - 20	2.5"	Freeman Maple	\$ 280
1 - 20	2.5"	Sugar Maple	\$ 280
1 - 20	2.5"	Kentucky Coffeetree	\$ 280
1 - 20	2.5"	Purple Maple	\$ 280
1 - 20	2.5"	Northern Red Oak	\$ 280
1 - 20	2.5"	Littleleaf Linden	\$ 280
1 - 20	2.5"	Smoothleaf Elm	\$ 280
B. Sub Total Cost Private Property			\$ 3,920

CITY OF DARIEN TREE QUOTE - PARKWAYS

VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED
1-10	3" - 4"	American Linden	\$ 375
11-20	3" - 4"	American Linden	\$ 375
1-10	3" - 4"	Norway Maple	\$ 375
11-20	3" - 4"	Norway Maple	\$ 375
1-10	3" - 4"	Thornless Honeylocust	\$ 375
11-20	3" - 4"	Thornless Honeylocust	\$ 375
1-10	3" - 4"	Red Maple	\$ 375
11-20	3" - 4"	Red Maple	\$ 375
1-10	3" - 4"	Chanticleer Pear	\$ 375
11-20	3" - 4"	Chanticleer Pear	\$ 375
1-10	3" - 4"	Freeman Maple	\$ 375
11-20	3" - 4"	Freeman Maple	\$ 375
1-10	3" - 4"	Sugar Maple	\$ 375
11-20	3" - 4"	Sugar Maple	\$ 375
11-20	2.5"	American Linden	\$280
1-10	2.5"	Norway Maple	\$280
11-20	2.5"	Norway Maple	\$280
1-10	2.5"	Honeylocust Skyline	\$250
11-20	2.5"	Honeylocust Skyline	\$280
1-10	2.5"	Red Maple	\$280
11-20	2.5"	Red Maple	\$280
1-10	2.5"	Chanticleer Pear	\$280
11-20	2.5"	Chanticleer Pear	\$280

1 - 10	2.5"	Freeman Maple	\$ 280
11 - 20	2.5"	Freeman Maple	\$ 280
1 - 10	2.5"	Sugar Maple	\$ 280
11 - 20	2.5"	Sugar Maple	\$ 280
1 - 15	5-foot high	Colorado Blue Spruce	\$ 280
A. Sub Total Cost Parkway			\$ 9,170

CITY OF DARIEN TREE QUOTE - PRIVATE

VARIABLE QUANTITY	DIAMETER	SPECIES	PRICE PER TREE PLANTED
1 - 20	2.5"	American Linden	\$ 280
1 - 20	2.5"	Norway Maple	\$ 280
1 - 20	2.5"	Honeylocust Skyline	\$ 280
1 - 20	2.5"	Red Maple	\$ 280
1 - 20	2.5"	Chanticleer Pear	\$ 280
1 - 20	2.5"	Aristocrat Pear	\$ 280
1 - 20	2.5"	Swamp White Oak	\$ 280
1 - 20	2.5"	Freeman Maple	\$ 280
1 - 20	2.5"	Sugar Maple	\$ 280
1 - 20	2.5"	Kentucky Coffeetree	\$ 280
1 - 20	2.5"	Purple Maple	\$ 280
1 - 20	2.5"	Northern Red Oak	\$ 280
1 - 20	2.5"	Littleleaf Linden	\$ 280
1 - 20	2.5"	Smoothleaf Elm	\$ 280
B. Sub Total Cost Private Property			\$ 3,920



AGENDA MEMO
CITY COUNCIL
September 4, 2018

Issue Statement

Petitioner seeks approval of an ordinance that would approve a variation to the Darien Zoning Code for building height for their proposed office/warehouse and approval of their final site plans. **(Please note that the only requested exception to the City Code is the variation to the building height limit of 35 feet – requesting 39 feet.)**

ORDINANCE

General Information

Petitioner:	Sterling Bay	
Property Owner:	GD Darien LLC (Crown family, CC Industries, Michael Bialas)	
Property Location / PIN#:	1035 S. Frontage Road / 09-34-303-025, 09-34-303-027, 09-34-303-029	
Zoning / Land Use:	Site:	I-1 / vacant cartage facility
	West:	I-1 / Darien Public Works facility
	East:	I-1 (DuPage County)/forest preserve
	South:	R-1 (DuPage County)/forest preserve
	North:	R-1 / I-55 interstate highway
Comprehensive Plan:	Future land use - Office/Research/Industrial	
Size of Subject Lot:	765 feet along frontage, 446,621 square feet =10.25 acres	
Natural Features:	Relatively flat with wetlands and floodplain on east edge	
Transportation:	Two driveways off S. Frontage Road	

Development History and Proposal

Sterling Bay is a large development company based in Chicago who has contracted to purchase these 3 lots and has proposed to build an office/warehouse, which is a permitted use in the I-1 district. The site is now unused and was formerly developed for a trucking cartage business with two small buildings for office and truck maintenance with some parking spaces up front. Most of the site behind the buildings was leveled and surfaced with gravel for truck trailer storage.

The proposed development would include demolition of the existing buildings, construction of a 153,000 square foot warehouse with 157 car parking spaces, 31 depressed loading docks, and two stormwater detention ponds. The building interior clear ceiling height would be 32 feet and the exterior height from the adjacent grade to top of roof would be approximately 39 feet, where 35 feet is otherwise required in the I-1 district, per Code section 5A-9-4-8. Proposed is a landscape area along S. Frontage Road to screen the loading docks.

Petitioner Documents (attached to this memo)

1. [Petition](#)
2. [Plat of Survey](#)
3. [Site Plan](#)

4. [Preliminary Grading and Utility Plan](#)
5. [Landscape Plan](#)
6. [Building Elevation Sketches](#)
7. [Photometric Plan](#)
8. [Landscape Screening Views](#)
9. [Site Section Details](#)
10. [Wall Sections](#)
11. [Letter from Sterling Bay 6.18.18](#)
12. [Traffic Study 8.23.18 revised](#)

Staff Documents (attached to this memo)

13. [Photo – aerial of area with floodplain \(in blue\)](#)
14. [Photos \(3\) - of existing site conditions](#)
15. [Staff memo on distribution centers 6.22.18](#)
16. [City Engineer review letter from Dan Lynch 8.20.18](#)
17. [Phase 1 Environmental Site Assessment 3.1.11](#)
18. [PZC minutes 7.18.18 \(not reviewed or approved by PZC yet\)](#)
19. [Darien Variation Authority and Standards](#)
20. [State Variation Conditions](#)
21. [DuPage County Forest Preserve District letter 7.18.18](#)
22. [General questions presented through Elected Officials and Staff with Responses from Attorney Murphey](#)
26. [Plat of Consolidation – Darien Subdivision](#)
27. [Sanitary Mark Up](#)

Variation Review

The proposed 39 foot high warehouse building would be a distance from the nearest surrounding buildings, including;

- West – about 250 feet to the Darien Public Works garage – about 25 feet high
- North – about 450 feet to the Woodspring Suites hotel (across I-55) – about 40 feet high
- East - about 600 feet to the nearest house (across forest preserve) – about 25 feet high
- South – no building (Waterfall Glen Forest Preserve)

The ground elevation at the front of the existing buildings on site is approximately 2-5 feet lower than S. Frontage Road and about 7-10 feet lower than the I-55 road surface. A nearby warehouse was recently built by Panattoni at 7879 Lemont Road has a clear ceiling height of 32 feet and a roof height of 39 feet. That development is in the ORI zoning district which allows a 40 foot building height.

PZC Case 2018-06

The Planning and Zoning Commission held a public hearing on July 18, 2018 on the requested

building height variation. The Petitioner said they need 32 feet floor to ceiling to accommodate the storage racking technology of their prospective tenants (State variation standard #1). No evidence was presented of negative impact that would be caused by the extra 4 feet of building height (Darien variation condition #2) Four neighbors commented on truck noise, pollution, congestion, and signs; but not on building height. The PZC voted 6-0 to recommend approval of the variation as presented.

Site Plan Review

Zoning Code Section 5A-2-2 gives the City Council authority to review and approve final site plans for compatibility and conformity in terms of traffic congestion, overcrowding, adverse environmental impacts, and health related problems.

Building Elevations. Renderings show a box-like shape with an articulated façade similar to the Panattoni building. Located at the front of the building (north facade) would be the main entrance, windows, and visitor parking.

Lighting. On-site lighting would be supplied by wall-mounted fixtures. The Photometric plan shows brightness levels would be near zero at the property edges conforming to City Code. The developer would be providing shields on the light fixtures to cutoff direct glare upon adjacent properties and sky.

Landscaping. Their plan shows perimeter yard trees and shrubs, parkway trees, and parking lot island shrubs that conform to City Code. No dumpsters or outside storage areas are shown, which would otherwise require screening. City code section 5A-11-4-1 (G) requires off-street loading be screened from the right-of-way by wall, fence, or hedge with at least 75% opacity all year round. The landscape plan shows a 8' wide landscaping area with no berm along the S. Frontage Road property line that is intended to screen the loading dock area on the west side of the building. Shown are evergreen trees that would be 6' tall at the time of planting and planted 3' – 10' on center. Also the shade trees in the parkway including maple and oak would provide some seasonal screening. The top of trucks at the loading docks are estimated to be 1'- 6' above driver height in vehicles on S. Frontage and I-55. An 8 foot tall wall would be installed on their west property line along the Public Work storage yard. Prairie grasses are shown in and around the two detention ponds and within 20 feet of the east property line. These grasses are intended to comply with County standards for wetland plantings and BMP's. Plans have been submitted to County Stormwater department for review. A new plat may be required creating easements for the wetlands and floodplain and consolidating the three existing lots into one lot.

Utilities and Grading. Planned is a detention basin at the southwest area of the frontage which would release stormwater to another detention basin at the south end which would filter and release stormwater to a drainage swale on the Public Works site. Roof drains and storm sewers are designed to capture all storm water and convey to these basins. A water main would loop

around the building and connect to existing water main along S. Frontage Road. Sanitary sewer would connect to a stub just off the southeast corner of the property. The parking area east of the building would be elevated a few feet with a retaining wall to allow the wetlands and floodplain to flow naturally south and not onto the warehouse facility. Engineering plans have been submitted to the DuPage Stormwater department for review.

The Developer will be contributing up to \$50,000 for the following Public Works facility site improvements:

1. Sanitary Service – The developer will extend the sewer to the limits of the property. The proposed sanitary sewer structure will provide an opportunity for the facility to install a service line to the building and abandon the existing septic system.
2. Remove and construct the existing concrete blocks/storage bins for the storage of excavated spoils, aggregates, concrete, bituminous products, and brush.
3. Parking Lot Expansion – The Public Works site requires additional parking for the employees. The department will coordinate a plan to work with the developer to prepare a parking pad adjacent to the existing salt storage facility. The parking lot would be constructed with bio swales. Pending site plan approval, the department may be required to seek zoning relief as it relates to setbacks.

Please note, costs for the improvements will exceed the contributed funds. Any proposed projects exceeding the contribution will be forwarded for consideration through the 2019 Budget Workshop.

Traffic. On-site circulation includes employee parking on east side of building with turnaround at south end, trucking parking at the loading docks on west side of building with turnaround at south end, and a fire lane along south side of building. Plans have been submitted to the Tri-State Fire District for review. Two driveways onto S. Frontage Road are proposed each with 'no right turn' signs for exiting vehicles directing them to Cass Avenue and not east on S. Frontage Road.

The Petitioner submitted a revised traffic study done by KLOA August 23, 2018. In summary, it uses a projection of an 18% increase in traffic on S. Frontage Road in 5 years to 625 vehicles per day. It estimates traffic generated by the proposed warehouse at 7 trucks and 27 cars in peak hour and 57 trucks and 230 cars in peak weekday. It observed almost no pedestrian or bicycle traffic on S. Frontage Road. It concluded that traffic volumes would not warrant any improvements to the roadways (turn lanes) or traffic controls (signs or signals). Turning radius and stopping sight distances at the driveways at S. Frontage Road were safely adequate. A portion of S. Frontage Road will be grinded with new overlay and the centerline and edge lines will be restriped. The merging of vehicles between I-55 and the Cass Avenue/S. Frontage Road intersections was projected to be safely adequate.

Environmental Assessment. A Phase I Environmental Site Assessment was done on the property for the owner, CC Industries, Inc., in 2011. The scope of the study included site observations,

public document review, and interviews of local officials. The conclusion was no evidence of recognized environmental conditions.

Prior Public Comments. Dan Gombac and Steve Manning met with Linda Painter on August 8 to hear her questions on the proposed Sterling Bay plans and traffic study. A call was received from Irfan Ibrahim on August 22 saying he was a candidate for the Forest Preserve Board, that he was circulating a petition that he would post on Facebook, and that he and a large number of people would be attending the MSC meeting. His main concern was environmental impact.

Two motions are needed.

1. A variation for building height of 39 feet.
2. Final site plan approval as presented, subject to;
 - A. Fire District approval
 - B. Plat of Consolidation approval
 - C. Final DuPage County Stormwater Permit
 - D. The Developer contributing up to \$50,000 for Public Works facility site improvements

MSC Review

The Municipal Services Committee reviewed this case at their meeting August 27, 2018.

Consultants representing the Petitioner presented their plans and added several comments:

- The projected number of trips of 45 in the peak hour is based on survey data for this type of warehouse use nationwide, and in this region is less than 45.
- Lighting fixtures will be positioned and have shields added so that light will not shine off site. Over 200 trees will be planted on site.
- The storm sewer catch basins and detention pond settling areas and plantings will be designed to trap solids and pollutants before water drains off site based on a 100 year storm event per county standards.
- Commonly used terms for warehousing include Class A being at least 32 feet high floor to ceiling and Class B and C being lower. Market demand in the I-55 corridor is for Class A only and that is their primary reason for requesting the variation.

About 20 in the audience made comments regarding pollution, traffic congestion, road safety, impacts on use of forest preserve, and requested consideration of alternative land uses that would be more compatible with the forest preserve and generate more tax revenue. Three documents were submitted and are attached to this report.

23. 'Know the Facts' - has quotes on the health effects of diesel engine exhausts
24. 'Diesel' – quotes EPA findings on diesel exhausts
25. 'Threats from a Fulfillment Center' - questions the traffic study in terms of number of truck trips generated and amount of traffic congestion delays.

Committee discussed the I-1 industrial zoning having been long established and in accordance with the Comprehensive Plan and that warehouses are a permitted use in I-1. The vote was 2-1 in favor of a motion to recommend approval of the building height variation and the site plans as presented. Alderman Marchese and Belczak voted aye and Alderman Chlystek voted nay.

CITY OF DARIEN, ILLINOIS, Community Development Department

Variation/Special Use/Rezoning petition to the Mayor and City Council of the City of Darien:

Staff Use Only	
Case No.:	2018-06
Date Received:	6/20/18
Fee Paid:	8485
Check No.:	4895
Hearing Date:	7/18/18

PETITIONER INFORMATION

Sterling Bay

Petitioner's Name
Matt Lucas - Project Manager - Sterling Bay

Contact Name
1330 W. Fulton St. Chicago, IL 60607

Address, City, State, Zip Code
312-566-4913

Phone #
n/a

Fax #
lucas@sterlingbay.com

Email

Michael G. Bialas

Owner's Name
222 N. LaSalle Street, Suite 1000, Chicago, IL 60601

Address, City, State, Zip Code
312-750-6576

Phone #
Mbialas@crown-chicago.com

Email

PROPERTY INFORMATION

1033-1035 S FRONTAGE RD, DARIEN, IL

60561 Property address
0934303025 ; 0934303029 ; 0934303027

PIN(s)

10.25 acres

Acreage
I - 1

Zoning

Provide legal description on a separate sheet and attach, such as the plat of survey.

REQUEST

Brief description of the request(s):

Variation Simple Variation
 Special Use Rezoning

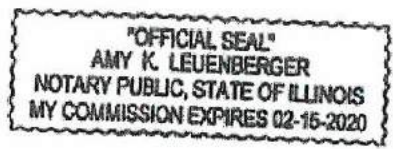
Petitioner is seeking a variation to construct an industrial office/warehouse building with a maximum building height of 39 feet from the established grade level of, posite the center of the front of the building to the highest elevation of the roof, a four (4) foot increase beyond what is currently permitted.

I, _____ do hereby certify that I am the owner of record (or one of the owners of record or the attorney for the owners of record of the aforesaid described property) and I hereby make application as such.

David M. Rubin
Signature _____ David M. Rubin

Subscribed and sworn to before this 21st day of June 2018

Amy K. Leuenberger
Notary Public _____ Amy K. Leuenberger



ALTA/ACSM LAND TITLE SURVEY

PARCEL 1: LOTS 2 AND 3 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 24, 2004 AS DOCUMENT R2004-075594, IN DUPAGE COUNTY, ILLINOIS.

PARCEL 2: LOT 2 IN GREAT DANE RESUBDIVISION, BEING A RESUBDIVISION OF LOT 1 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, RECORDED DECEMBER 8, 2011 AS DOCUMENT R2011-150249, IN DUPAGE COUNTY, ILLINOIS.

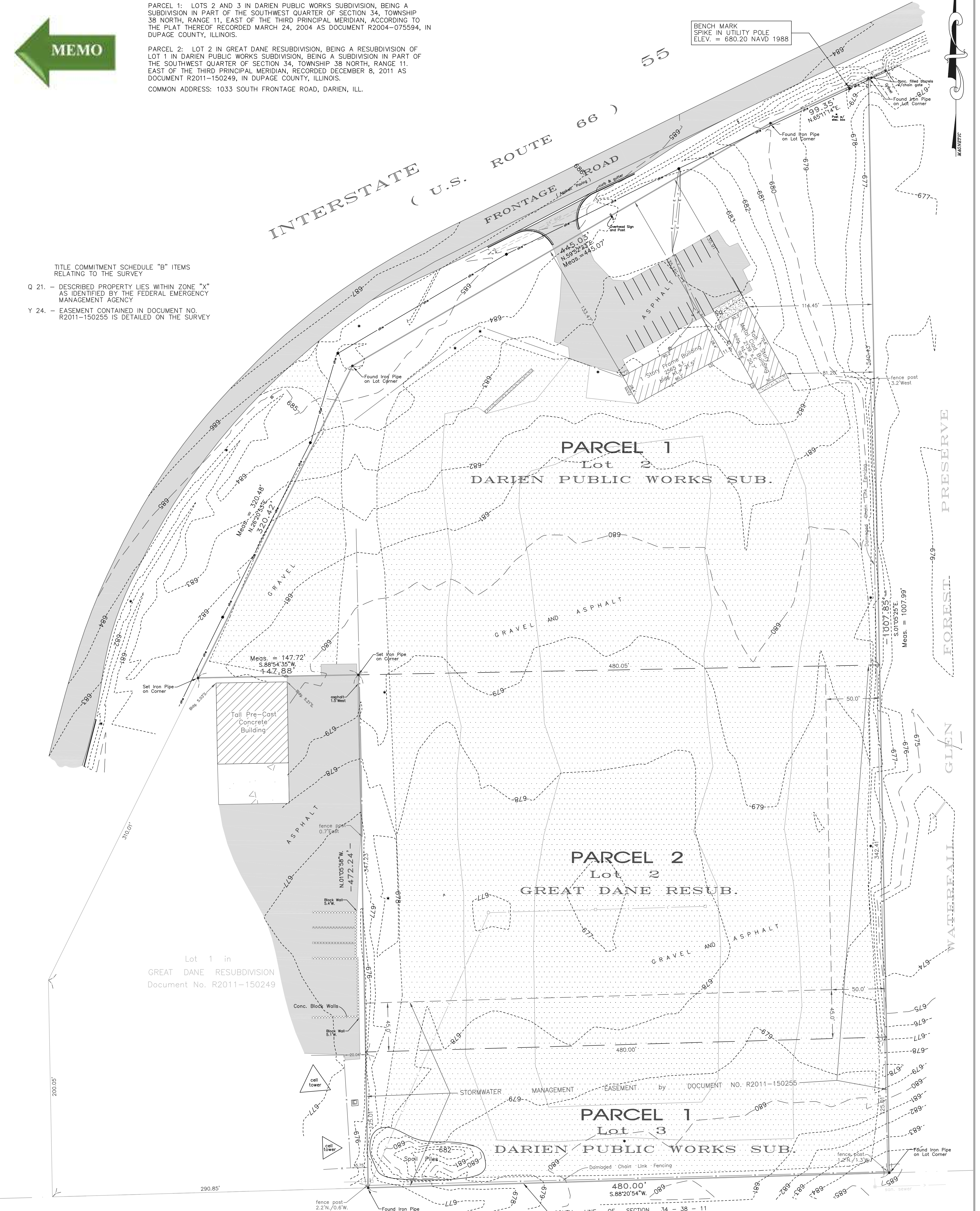
COMMON ADDRESS: 1033 SOUTH FRONTAGE ROAD, DARIEN, ILL.



BENCH MARK SPIKE IN UTILITY POLE
ELEV. = 680.20 NAVD 1988

TITLE COMMITMENT SCHEDULE "B" ITEMS RELATING TO THE SURVEY

- Q 21. - DESCRIBED PROPERTY LIES WITHIN ZONE "X" AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY
- Y 24. - EASEMENT CONTAINED IN DOCUMENT NO. R2011-150255 IS DETAILED ON THE SURVEY



Lot 1 in
GREAT DANE RESUBDIVISION
Document No. R2011-150249

NOTE:
CHICAGO TITLE INSURANCE COMPANY
COMMITMENT NO. 880014868, EFFECTIVE
DATE MARCH 23, 2015 WAS USED
IN PREPARATION OF THIS SURVEY

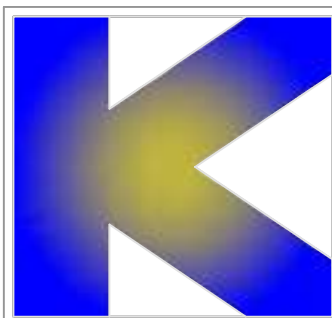
STATE OF ILLINOIS) S.S.
COUNTY OF DUPAGE)
TO: GD DARIEN LLC, an Illinois Limited Liability Company;
CENTRAL AVENUE VENTURE, LLC, an Illinois Limited Liability Company;
CHICAGO TITLE INSURANCE COMPANY.

THIS IS TO CERTIFY THAT THIS PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH 2011 "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 5, 7b, 7c, 8, 9, 11a, 11b, 16, 17, 18, 19 AND 21 THEREOF. THE SURVEY REQUIREMENTS WERE MADE IN ACCORDANCE WITH THE "MINIMUM ANGLE, DISTANCE AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND SURVEYS."

THE FIELD WORK WAS COMPLETED ON APRIL 20, 2015.

DATE OF PLAT: APRIL 22, 2015.

MICHAEL L. KRISCH
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2501
LICENSE EXPIRES NOVEMBER 30, 2016



Symbols Legend

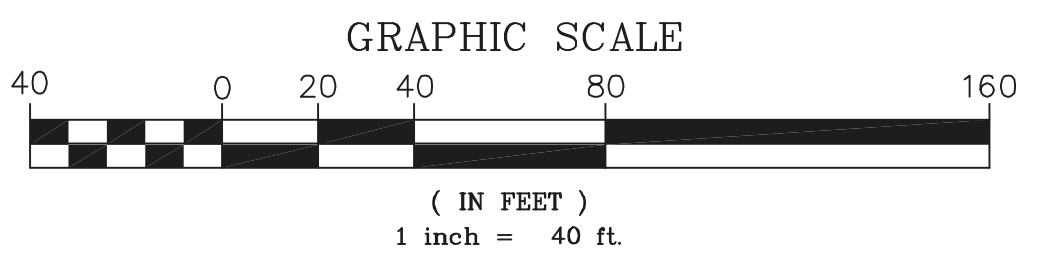
	Sanitary Sewer Manhole
	Storm Sewer Manhole
	Catch Basin
	Curb Inlet
	Fire Hydrant
	Water Valve in Vault
	Water Valve
	E-Box
	Sign
	Street Sign
	Gas Valve
	Landscape Light / Post
	Light Pole
	Electric Transformer
	Utility Pedestal
	Telephone Manhole
	Electric Manhole
	Traffic Signal Pole
	Pole Anchor
	Utility Pole w/ Overhead Wire Direction
	Storm Sewer
	Sanitary Sewer
	Watermain
	Gasmain
	Underground Electric Line
	Underground Telephone Line
	Underground Cable Television
	Underground Fiber Optic Line
	Force Main Sewer

TABLE "A" ITEMS

- IRON PIPES FOUND OR SET AT ALL BOUNDARY CORNERS AND DETAILED ON THE SURVEY DRAWING
- ADDRESS IS NOTED IN THE SURVEY DRAWING
- PER FEDERAL FLOOD INSURANCE RATE MAP ONLY DESCRIBED PROPERTY LIES IN ZONE "X" PER MAP NO. 17043C0908H, EFFECTIVE DATE 12/16/2004. AREA DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN
- DESCRIBED PROPERTY CONTAINS 446,621 S.F. = 10.253 ACRES
- 1 FOOT CONTOURS ARE DETAILED ON THE SURVEY DRAWING AND ELEVATION DATUM IS NAVD 1988
- SQUARE FOOTAGE OF BUILDINGS IS DETAILED ON THE SURVEY DRAWING
- BUILDING HEIGHTS ARE DETAILED ON THE SURVEY DRAWING
- SUBSTANTIAL FEATURES OBSERVED ARE DETAILED ON THE SURVEY DRAWING
- THERE ARE 22 REGULAR STRIPED PARKING STALLS AND 0 HANDICAP STALLS
- OBSERVED EVIDENCE, TOGETHER WITH EVIDENCE FROM PLANS PROVIDED BY THE CLIENT AND FIELD MARKINGS, OF UTILITIES ARE DETAILED ON THE SURVEY DRAWING

TABLE "A" ITEMS cont.

- THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS
- NO INFORMATION OF PROPOSED STREET RIGHT OF WAY CHANGES OR OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION
- NO EVIDENCE OF ATE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL
- NO WETLANDS HAVE DELINEATED ON THE DESCRIBED PROPERTY
- PROFESSIONAL LIABILITY INSURANCE IS MAINTAINED BY THE SURVEYOR.

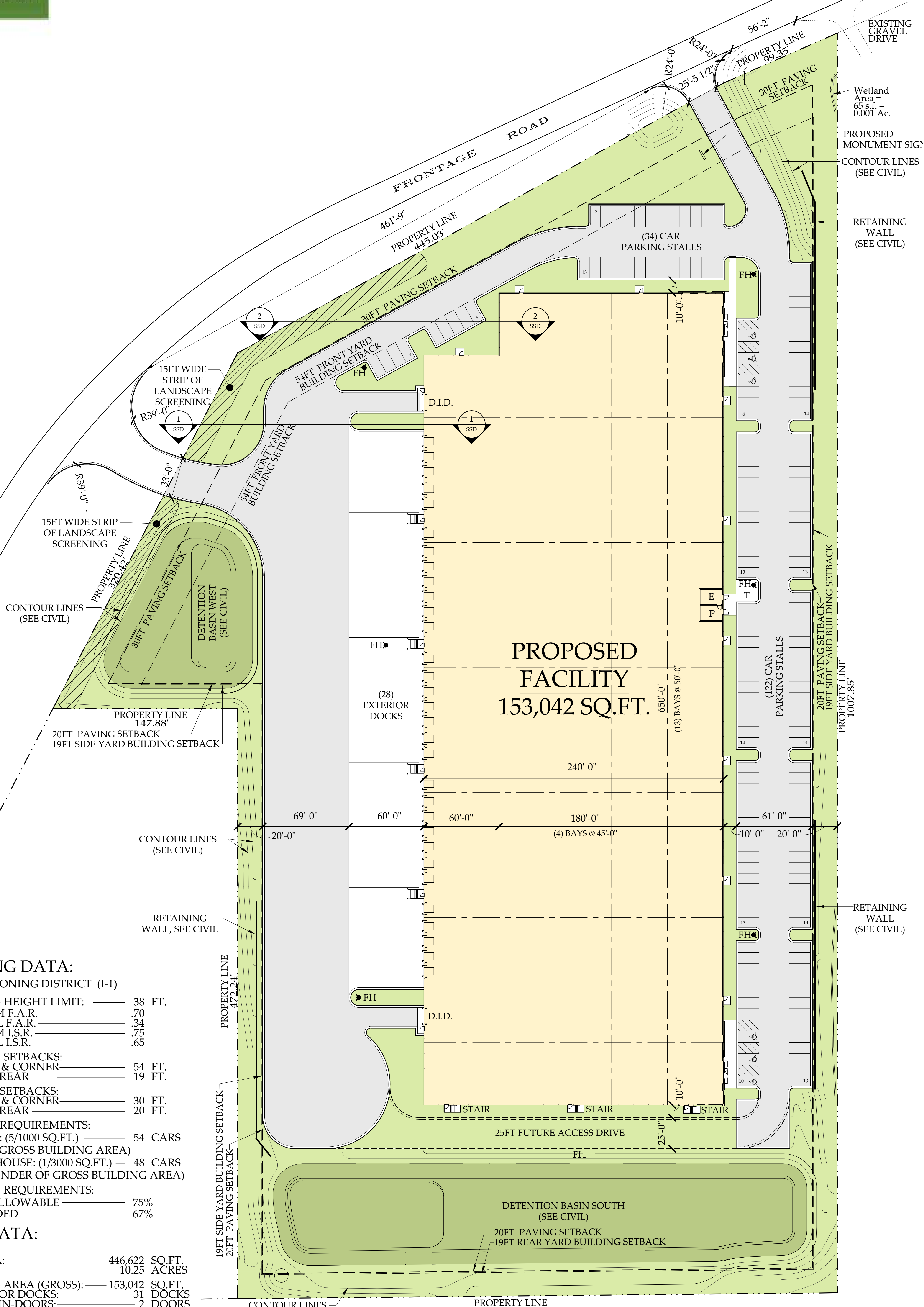


Prepared for: GOULD & RATNER LLP

KRISCH LAND SURVEYING, LLC
PROFESSIONAL DESIGN FIRM LICENSE No. 184-006886
P.O. Box 929 • Plainfield, IL 60544 • Phone: 630.627.5589
Fax: 630.627.5584

SURVEYING - CONSULTING - CONSTRUCTION LAYOUT

Scale: 1"=40' Drawn: MLK Chkd: GDK File# CAD File: 15-033



ZONING DATA:

DARIEN ZONING DISTRICT (I-1)

BUILDING HEIGHT LIMIT:	38 FT.
MAXIMUM F.A.R.	.70
ACTUAL F.A.R.	.34
MAXIMUM I.S.R.	.75
ACTUAL I.S.R.	.65

BUILDING SETBACKS:

FRONT & CORNER	54 FT.
SIDE & REAR	19 FT.

PARKING SETBACKS:

FRONT & CORNER	30 FT.
SIDE & REAR	20 FT.

PARKING REQUIREMENTS:

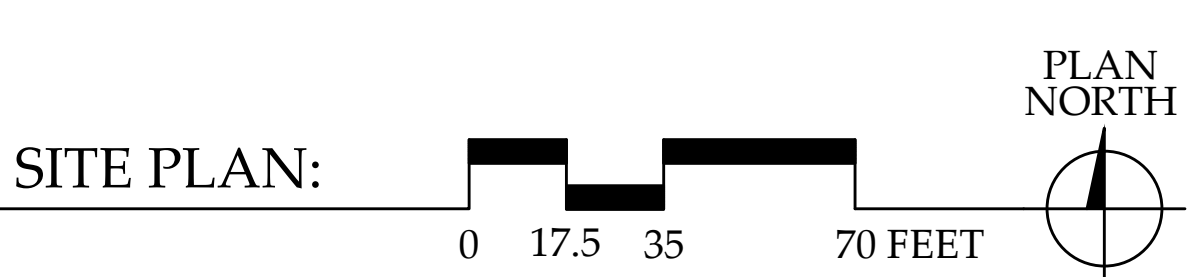
OFFICE: (5/1000 SQ.FT.)	54 CARS
(7% OF GROSS BUILDING AREA)	
WAREHOUSE: (1/3000 SQ.FT.)	48 CARS
(REMAINDER OF GROSS BUILDING AREA)	

PERVIOUS REQUIREMENTS:

MAX ALLOWABLE	75%
PROVIDED	67%

SITE DATA:

SITE AREA:	446,622 SQ.FT.	10.25 ACRES
BUILDING AREA (GROSS):	153,042 SQ.FT.	
EXTERIOR DOCKS:	31 DOCKS	
DRIVE-IN-DOORS:	2 DOORS	
CAR PARKING:	156 CARS	
CLEAR HEIGHT:	32 FEET	

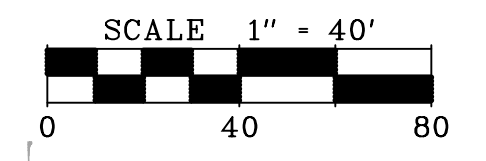
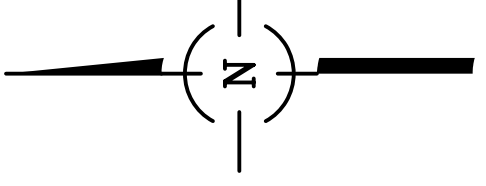
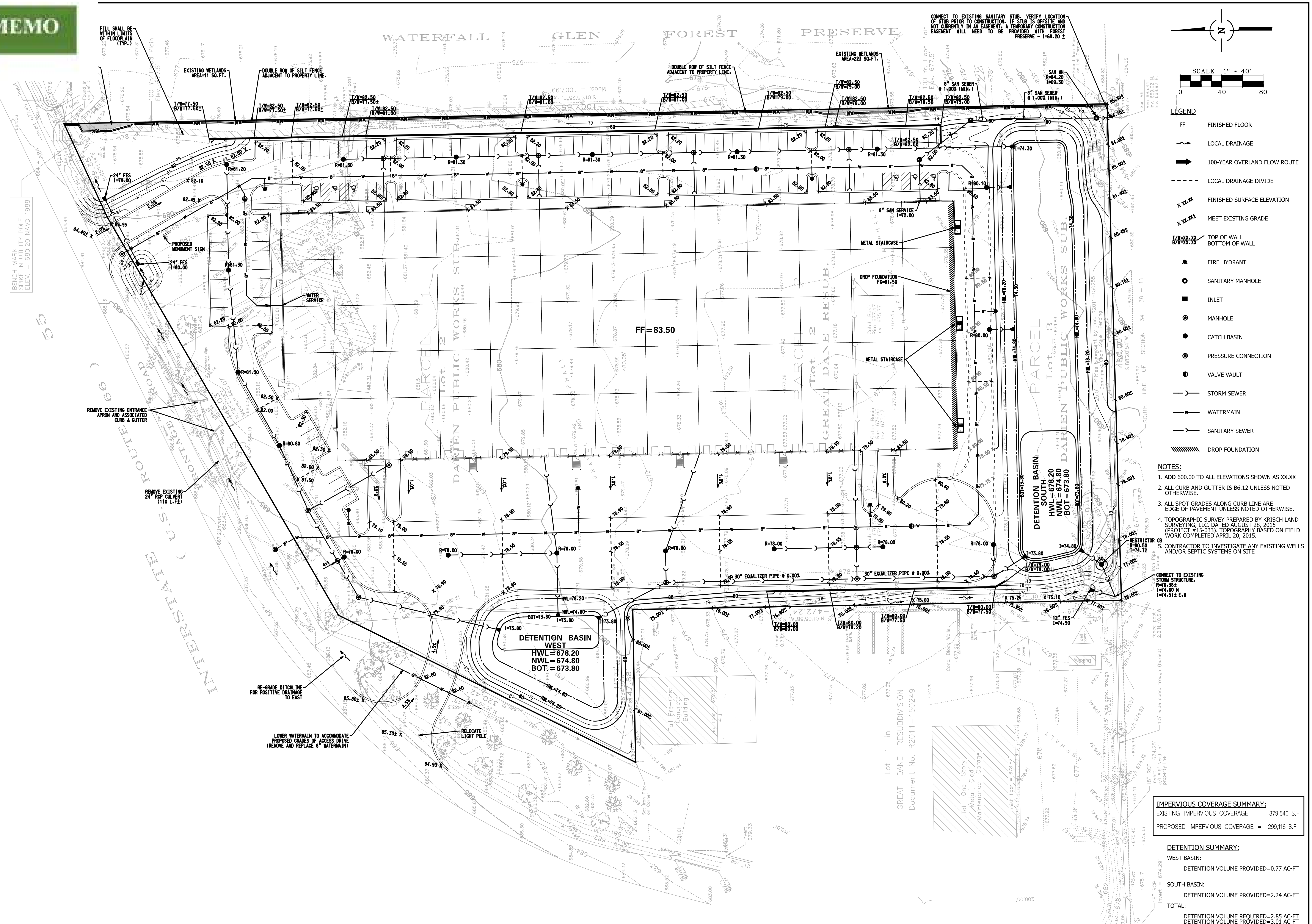


PROPOSED FACILITY

DARIEN, ILLINOIS

AUGUST 27, 2018 #14036

MEMO



- LEGEND**
- FF FINISHED FLOOR
 - LOCAL DRAINAGE
 - 100-YEAR OVERLAND FLOW ROUTE
 - LOCAL DRAINAGE DIVIDE
 - X XX.XX FINISHED SURFACE ELEVATION
 - X XX.XXX MEET EXISTING GRADE
 - 1/4" XX.XX TOP OF WALL
 - 1/4" XX.XX BOTTOM OF WALL
 - FIRE HYDRANT
 - SANITARY MANHOLE
 - INLET
 - MANHOLE
 - CATCH BASIN
 - PRESSURE CONNECTION
 - VALVE VAULT
 - STORM SEWER
 - WATERMAIN
 - SANITARY SEWER
 - Drop Foundation

- NOTES:**
- ADD 600.00 TO ALL ELEVATIONS SHOWN AS XX.XX
 - ALL CURB AND GUTTER IS B6.12 UNLESS NOTED OTHERWISE.
 - ALL SPOT GRADES ALONG CURB LINE ARE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 - TOPOGRAPHIC SURVEY PREPARED BY KRISCH LAND SURVEYING, LLC, DATED AUGUST 28, 2015 (PROJECT #15-033). TOPOGRAPHY BASED ON FIELD WORK COMPLETED APRIL 20, 2015.
 - CONTRACTOR TO INVESTIGATE ANY EXISTING WELLS AND/OR SEPTIC SYSTEMS ON SITE

CONNECT TO EXISTING STORM STRUCTURE. HWL=76.385, NWL=74.60, BOT=74.512 E.W

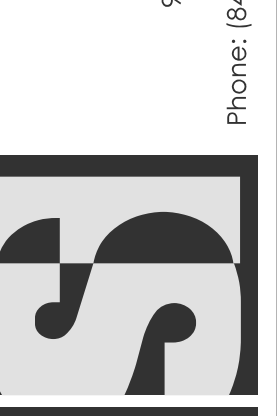
IMPERVIOUS COVERAGE SUMMARY:
 EXISTING IMPERVIOUS COVERAGE = 379,540 S.F.
 PROPOSED IMPERVIOUS COVERAGE = 299,116 S.F.

DETENTION SUMMARY:
 WEST BASIN:
 DETENTION VOLUME PROVIDED=0.77 AC-FT
 SOUTH BASIN:
 DETENTION VOLUME PROVIDED=2.24 AC-FT
 TOTAL:
 DETENTION VOLUME REQUIRED=2.85 AC-FT
 DETENTION VOLUME PROVIDED=3.01 AC-FT

NO.	DATE	REVISIONS PER VILLAGE	REMARKS
3	06/19/18	REVISIONS PER VILLAGE	
2	06/13/18	REVISIONS PER OWNER	
1	06/06/18	REVISIONS PER OWNER	

PRELIMINARY GRADING & UTILITY PLAN
CASS AVE. & I-55
 DARIEN, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 676-4060 Fax: (847) 676-4065



SPACECO INC.
 FILENAME: 8552.04P-ENG
 DATE: 04/20/18
 JOB NO. 8552.04
 SHEET
P-ENG
 1 OF 1



Proposed Office/Warehouse

1033 South Frontage Road
Darien, Illinois

DAVID R. McCALLUM ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
350 N. Milwaukee Avenue | Libertyville, Illinois 60048
T 847.382.0209 | F 847.382.0204



Landscape Plan



Table with 3 columns: Botanical Name, Common Name, Qty./Acres. Lists various plant species and their quantities.

Table with 3 columns: Botanical Name, Common Name, Qty./Acres. Lists various plant species and their quantities.

Table with 3 columns: Botanical Name, Common Name, Quantity. Lists various plant species and their quantities.

Table with 3 columns: Botanical Name, Common Name, Quantity. Lists various plant species and their quantities.

Table with 3 columns: Botanical Name, Common Name, Quantity. Lists various plant species and their quantities.

Plant List table with 4 columns: Key, Qty., Size, Botanical Name, Common Name, Remarks. Lists specific plants and their details.

Perimeter Yard Landscape Requirements table with 4 columns: Botanical Name, Common Name, Qty., Species Points, Total Points. Lists perimeter plants and their requirements.

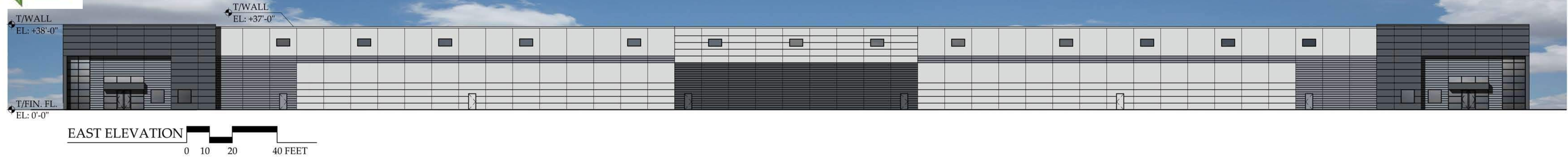
Perimeter Yard Landscape Requirements table with 4 columns: Botanical Name, Common Name, Qty., Species Points, Total Points. Lists perimeter plants and their requirements.

Perimeter Yard Landscape Requirements table with 4 columns: Botanical Name, Common Name, Qty., Species Points, Total Points. Lists perimeter plants and their requirements.

Table with 4 columns: Number, Description, Date. Lists project milestones and dates.

Table with 4 columns: Number, Description, Date. Lists project milestones and dates.

MEMO

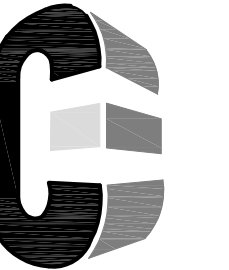


PROPOSED FACILITY
DARIEN, ILLINOIS

AUGUST 27, 2018 #14036

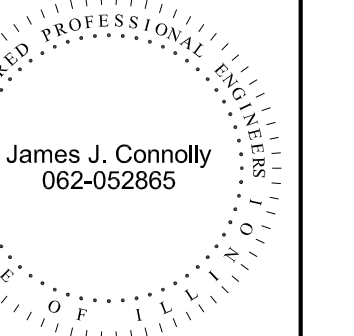
©CORNERSTONE ARCHITECTS LTD. 2018





CONNELLY ELECTRIC

40 S. ADDISON RD.
SUITE 100
ADDISON, IL 60101
P: (630) 543-9059
F: (630) 543-9077



expires 11-30-2019

signature

date

IL Design Firm Number: 184.00227

DARIEN
PHOTOMETRIC PLAN
DARIEN, IL

DRAWN BY:
MJE

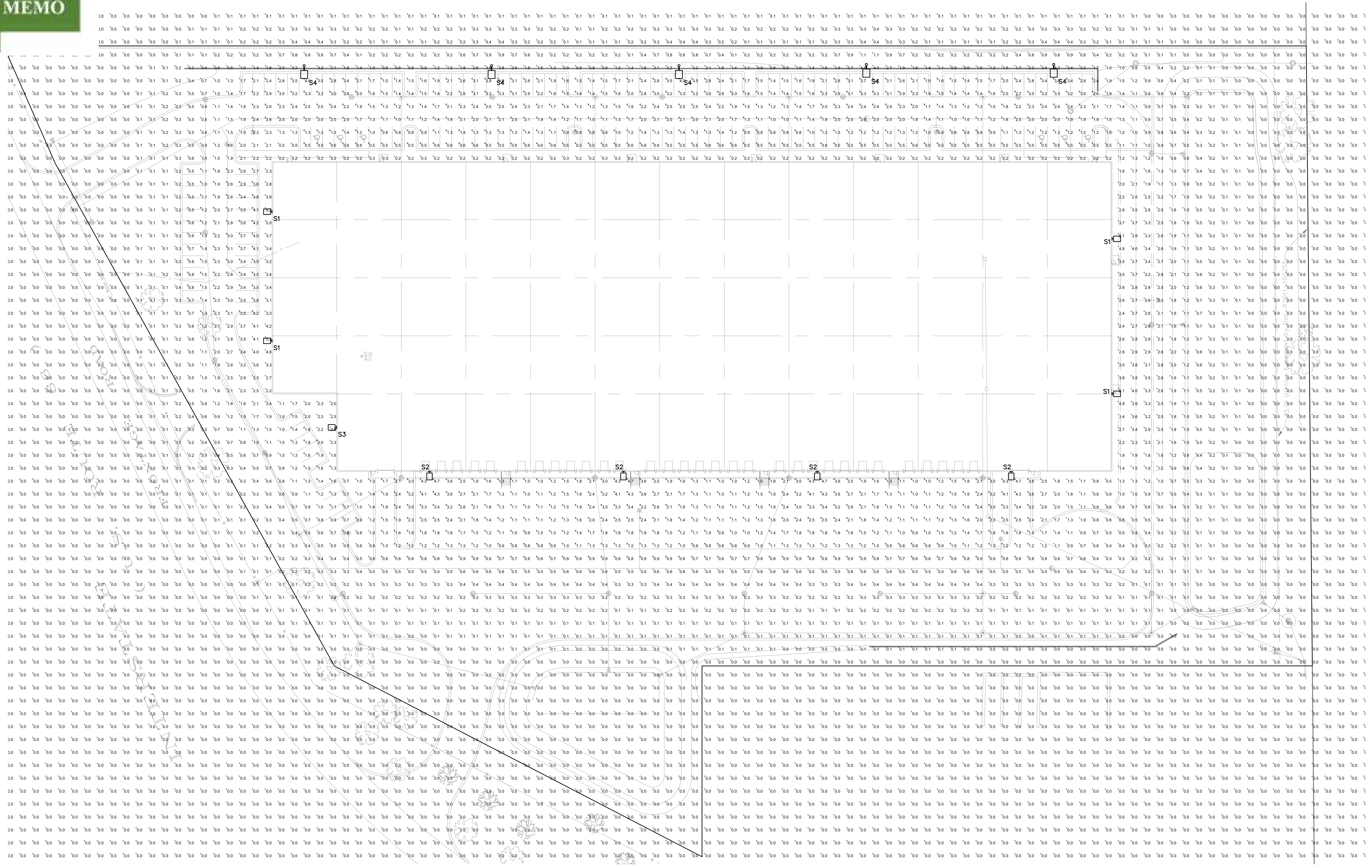
CHECKED BY:
JJC

DATE:
08/29/18

CE JOB #:
18-0000

REVISIONS:
0 FOR REVIEW 06/06/18
1 FOR REVIEW 08/29/18

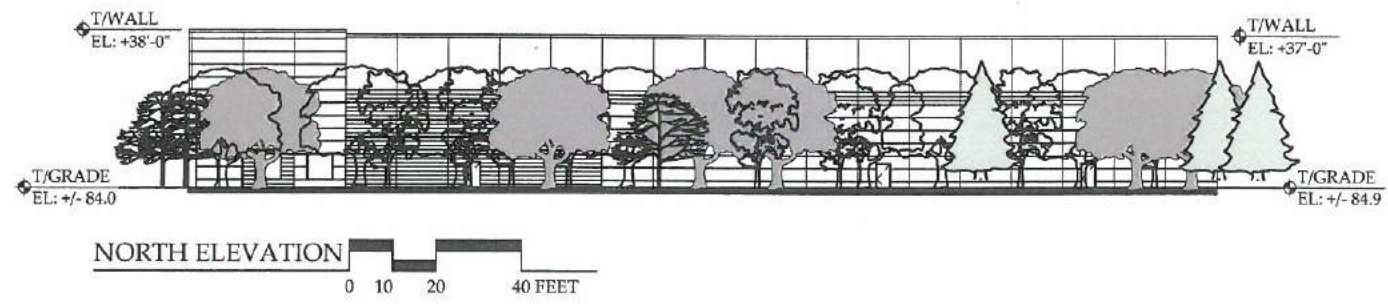
E-1 OF 1

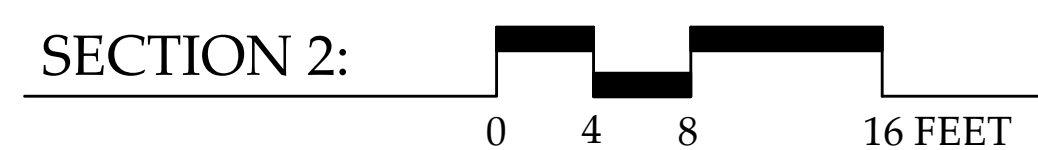
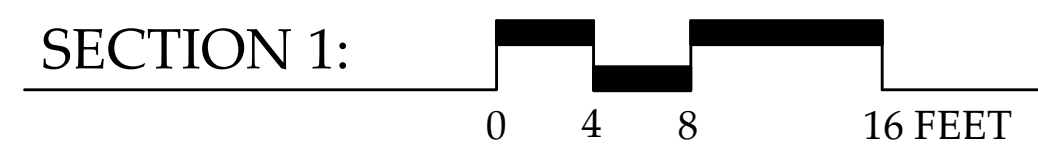
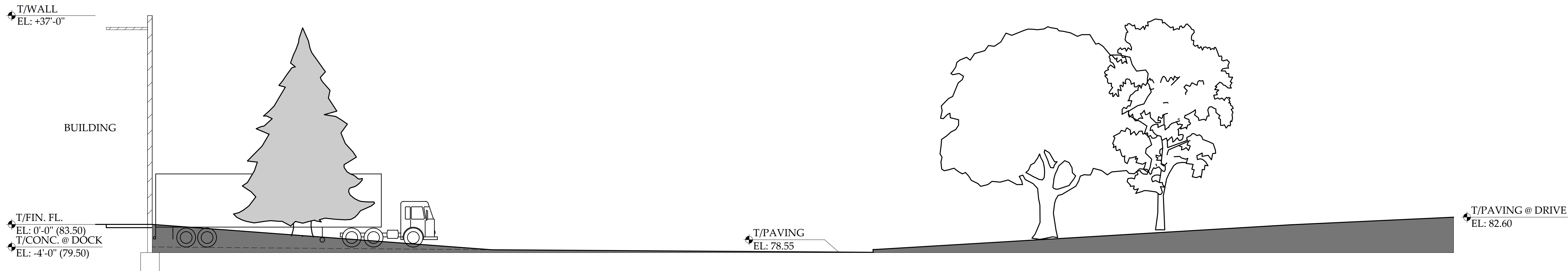


E1
1
SITE PHOTOMETRIC PLAN
SCALE: 1/32" = 1'-0"
North

PHOTOMETRIC STATISTICS			
	AVERAGE	MINIMUM	UNIFORMITY RATIO
CAR PARKING	2.0fc	0.5fc	4.0:1

ALTERNATE SITE LUMINAIRE SCHEDULE					
CALLOUT	SYMBOL	DESCRIPTION	MODEL	INPUT VA	VOLTS
S1		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T3M-MVOLT-WBA-PIRH	207	277V 1P 2W
S2		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T4M-MVOLT-WBA-PIRH	207	277V 1P 2W
S3		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P3-40K-T3M-MVOLT-WBA-PIRH	102	277V 1P 2W
S4		SINGLE HEADED LED FIXTURES MOUNTED ON A 25'-0" POLE W/ HOUSE SIDE SHIELD AND MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T3M-MVOLT-SPA-PIRH-HS	207	277V 1P 2W





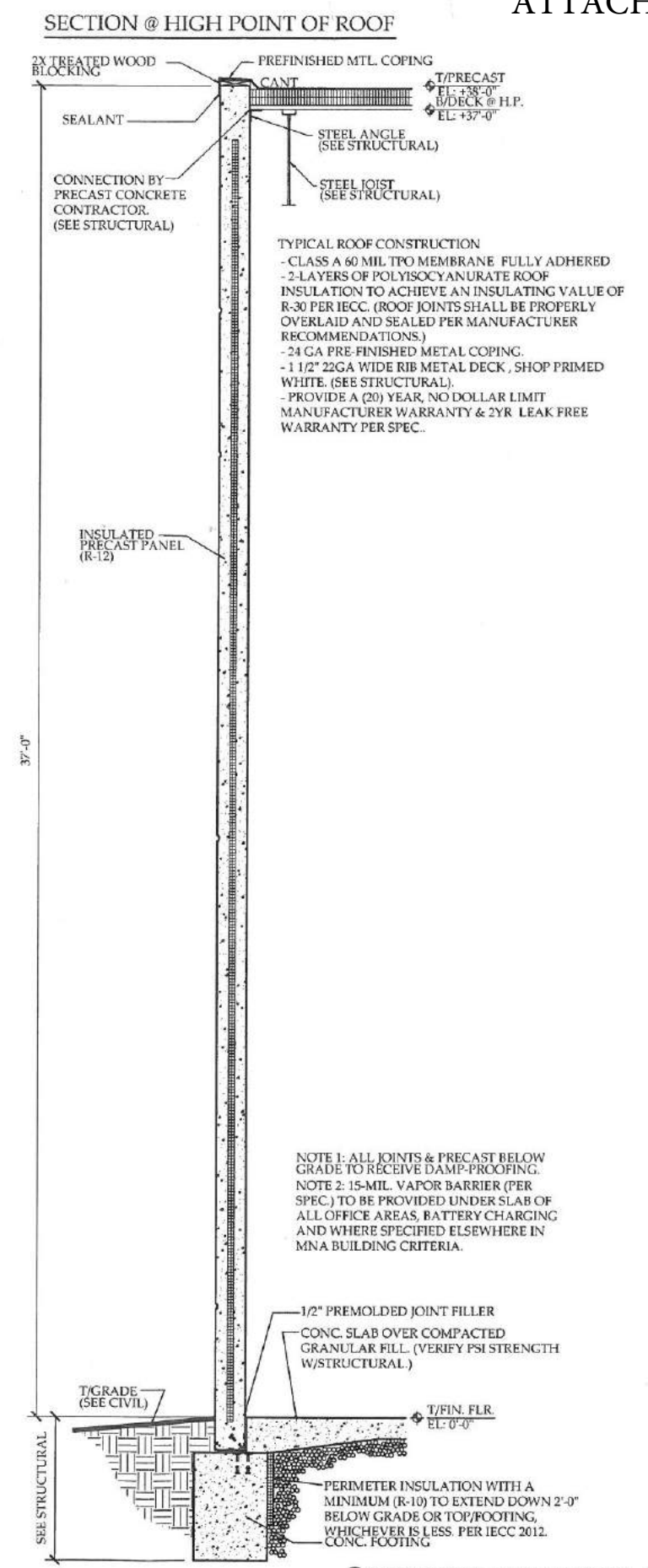
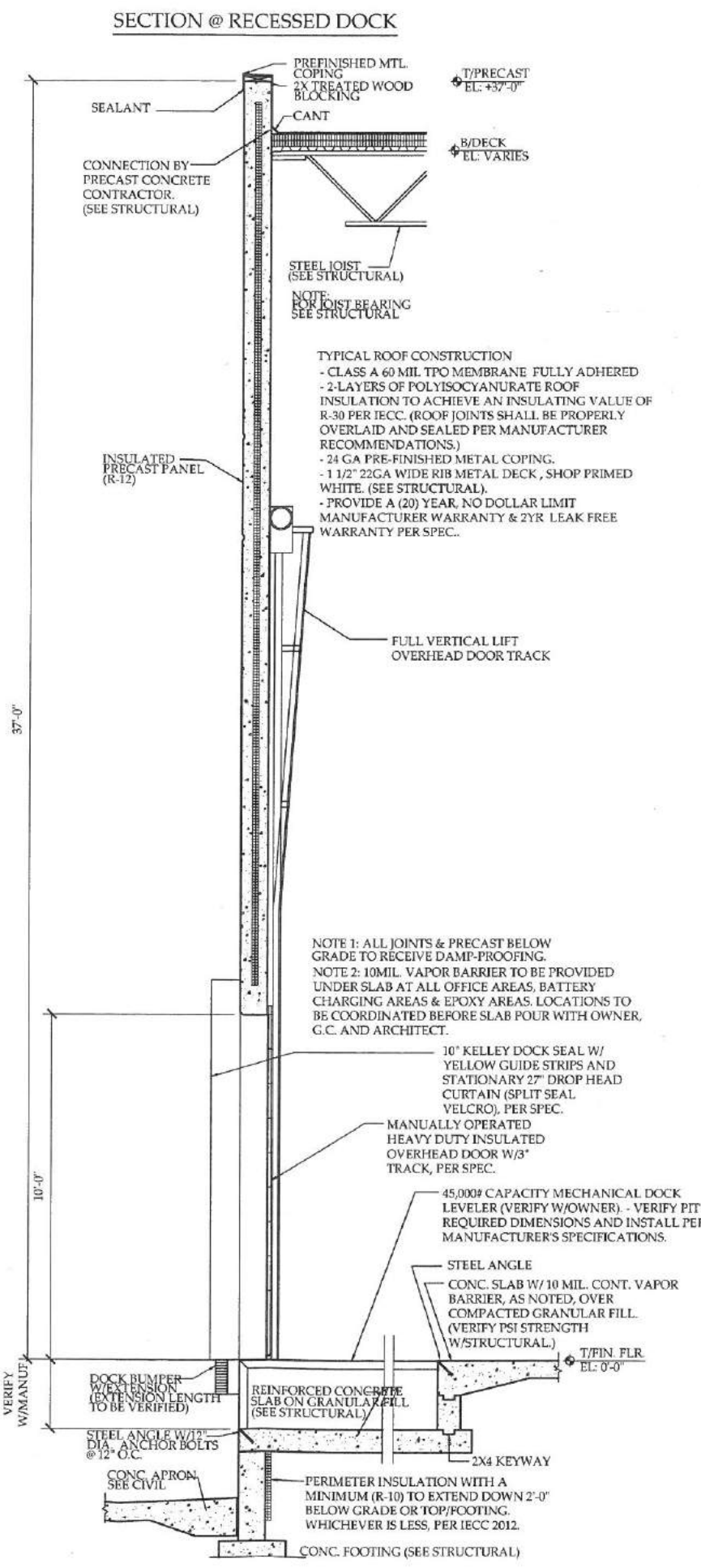
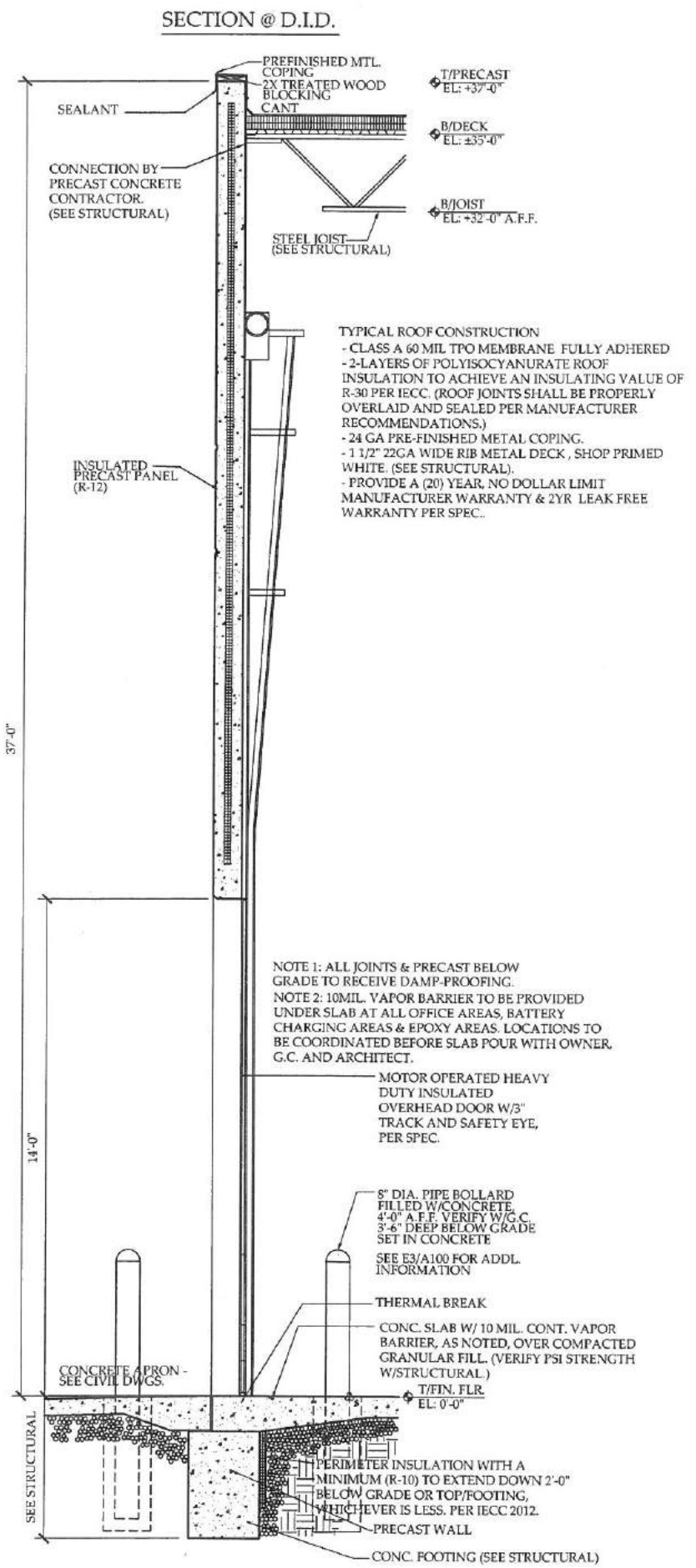
SSD: SITE SECTION DETAILS

DARIEN, ILLINOIS

JUNE 18, 2018 #14036

©CORNERSTONE ARCHITECTS LTD. 2018





MEMO

**Sterling Bay**

1330 W Fulton St, Suite 800
Chicago, IL 60607
312.466.4100

sterlingbay.com

June 18, 2018

Mr. Steve Manning
City Planner, AICP
City of Darien
1702 Plainfield Road
Darien, IL, 60561

RE: 1033-1035 S. Frontage Road; Darien, Illinois

Dear Mr. Manning:

We seek a variation to construct an industrial office/warehouse building with a maximum building height of 38 feet, a three (3) foot increase beyond what is currently permitted.

Current zoning regulations limit building heights to 35 feet which has the effect of limiting interior clear heights to 29 feet. In the industrial warehouse market, clear height means the distance from the top of slab (floor) to the underside of the bar joist supporting the roof. Warehouse tenants plan their floor layout, pallet stacking plan, racking aisle configuration and ultimately their square footage requirement based upon this metric. Older Class B and C properties have clear heights less than 30 feet, even 24 feet in some cases, and these clear heights are now considered functionally obsolete in the marketplace.

Today's tenants want modern Class-A industrial warehouse space and demand clear heights of at least 32 feet. Potential financial partners are also aware of this standard and consider clear heights of under 30 feet to be sub-par. In addition, upon introducing the proposed project to tenant representatives, the owner received an overwhelming response that 30-foot (and under) clear heights are simply not market. The majority of financial institutions demand that an industrial building meet the industry standard of 32 feet in order to protect their investment and remain attractive to the broadest base of possible tenants. A modern warehouse like the proposed project requires a clear height of 32 feet (and resulting building height of 38 feet) to be financially viable in this competitive marketplace. Limiting the building height to 35 feet has the effect of making the property unfit for Class A industrial warehouse use, a use that is specifically permitted under existing zoning regulations at this location.

The variation, if granted, will not alter the essential character of the locality or have an adverse impact on the surrounding neighbors. Conversely, the project as proposed will have a tremendously positive affect on the community. Upon completion, the project will generate office and warehouse jobs, including 25-30 construction jobs. In addition, the project is anticipated to generate approximately \$150,000 in real estate taxes upon stabilization. The property will be built to Class A standards with attractive front yard landscaping, screening, and attractive vision glass at the prominent northeast corner entrance. If not built, this property will remain a dormant, overgrown, former trailer yard. We respectfully request that you grant this variation request and we remain available to answer any questions you may have.

Sincerely,


Ron Frain



Traffic Impact Study Proposed Warehouse-Distribution

Darien, Illinois



Prepared For:

Sterling Bay



August 23, 2018

Executive Summary

A traffic impact study was conducted for the proposed warehouse-distribution facility to be located in the southeast quadrant of the Interstate 55 and Cass Avenue interchange in Darien, Illinois. The conceptual site plan calls for the approximate 10.25-acre site to be developed to include an approximate 153,000 square-foot warehouse-distribution facility with approximately 33 docks and a surface parking area for 157 passenger vehicles.

The site is proposed to be served by two full access drives off I-55 South Frontage Road (South Frontage Road). The westerly access drive will primarily be for truck traffic accessing the loading docks proposed on the west side of the building. The easterly access drive will be restricted to passenger vehicles only and will provide direct access to the passenger vehicle parking area, to be located to the north and to the east of the building facility. A fire lane is proposed to the south of the building, connecting the truck turnaround area to the passenger vehicle parking area, thereby allowing full circulation within the site.

Traffic was projected for Year 2024 conditions, which represents the proposed buildout year of the development (Year 2019) plus five years. The traffic projections include existing weekday morning and weekday afternoon peak hour traffic volumes increased by a regional growth factor, as provided by the Chicago Metropolitan Area for Planning (CMAP), and the traffic estimated to be generated by the proposed warehouse/distribution development.

The findings and recommendations of this study are outlined below.

- Truck traffic will be oriented to/from the west via the unsignalized intersection of Cass Avenue and South Frontage Road. Signs will be posted at the proposed truck access drive restricting exiting movements to left-turns only.
- Based on historical aerials, the site was previously developed as a semi-trailer parking field, thus generating truck traffic.
- The traffic estimated to be generated by the proposed development will have a limited impact on the surrounding roadway network.
- No traffic control or roadway improvements are needed or recommended on South Frontage Road at its intersections with Cass Avenue, Lorraine Street, and Fern Street.
- A traffic signal is not warranted at the intersection of Cass Avenue and South Frontage Road under existing or projected traffic volumes.
- Similarly, no traffic control or roadway improvements are needed or recommended at the intersections of Clarendon Hills Road and Fern Street and the Cass Avenue and Northgate Road.

- The two proposed access drives will each provide one lane inbound and one lane outbound under stop sign control. Because of the low volume of turning movements, neither a left-turn lane nor a right-turn lane are needed on South Frontage Road.
- The truck access drive will be restricted, via signage, to exiting left-turns only. No trucks will be allowed to access the site to/from the east via Clarendon Hills Road.
- Truck turning exhibits show that trucks can turn to/from the proposed truck access drive onto South Frontage Road.
- There is adequate stopping sight distance for trucks approaching the respective access drives from either direction.
- In conjunction with the proposed development, a portion of South Frontage Road will be grinded with new overlay and the centerline and edge lines will be restriped.
- A weave analysis shows that the distance on Cass Avenue between the Interstate 55 Southbound Off-Ramp and South Frontage Road is adequate for vehicles from the exit ramp to cross over into the southbound left-turn lane at South Frontage Road. Further, the queue analysis shows that the southbound left-turn storage at South Frontage Road will continue to be more than adequate to accommodate the southbound left-turning movements.
- A review of the proposed site plan shows that the proposed 157 passenger vehicle parking spaces satisfies what is required by the City of Darien.

Introduction

A traffic impact study was conducted for the proposed warehouse-distribution facility to be located in the southeast quadrant of the Interstate 55 and Cass Avenue interchange in Darien, Illinois. The vacant site is in incorporated Downers Grove Township and is proposed to be annexed into the City of Darien, Illinois.

The conceptual site plan calls for the approximate 10.25-acre site to be developed to include an approximate 153,000 square-foot warehouse-distribution facility with approximately 33 docks and a surface parking area for 157 passenger vehicles.

The site is proposed to be served by two full access drives off I-55 South Frontage Road (South Frontage Road). The westerly access drive will primarily be for truck traffic accessing the loading docks proposed on the west side of the building. The easterly access drive will be restricted to passenger vehicles only and will provide direct access to the passenger vehicle parking area, to be located to the north and to the east of the building facility. A fire lane is proposed to the south of the building, connecting the truck turnaround area to the passenger vehicle parking area, thereby allowing full circulation within the site.

The sections of this report present the following:

- Existing roadway conditions including vehicle, pedestrian, and bicycle traffic volumes for the weekday morning and weekday afternoon peak hours
- A detailed description of the proposed development
- Vehicle trip generation for the proposed development
- Directional distribution of development-generated traffic
- Weaving analysis along Cass Avenue
- Future transportation conditions including access to and from the development

Traffic capacity analyses were conducted for the weekday morning and weekday afternoon peak hours for the following two conditions.:

1. Existing Conditions - Analyzes the capacity of the existing roadway system using existing peak hour traffic volumes in the surrounding area.
2. Future Conditions – Traffic was projected for Year 2024 conditions, which represents the proposed buildout year of the development (Year 2019) plus five years. The traffic projections include existing weekday morning and weekday afternoon peak hour traffic volumes increased by a regional growth factor of 18 percent, as provided by the Chicago Metropolitan Area for Planning (CMAP), and the traffic estimated to be generated by the proposed development.

The purpose of this study is as follows:

- Determine the existing vehicular, pedestrian, and bicycle conditions in the study area to establish a base condition.
- Assess the impact that the proposed development will have on transportation conditions in the area.
- Determine any roadway, traffic control, or access improvements that may be necessary to effectively accommodate and mitigate future conditions.

Existing Conditions

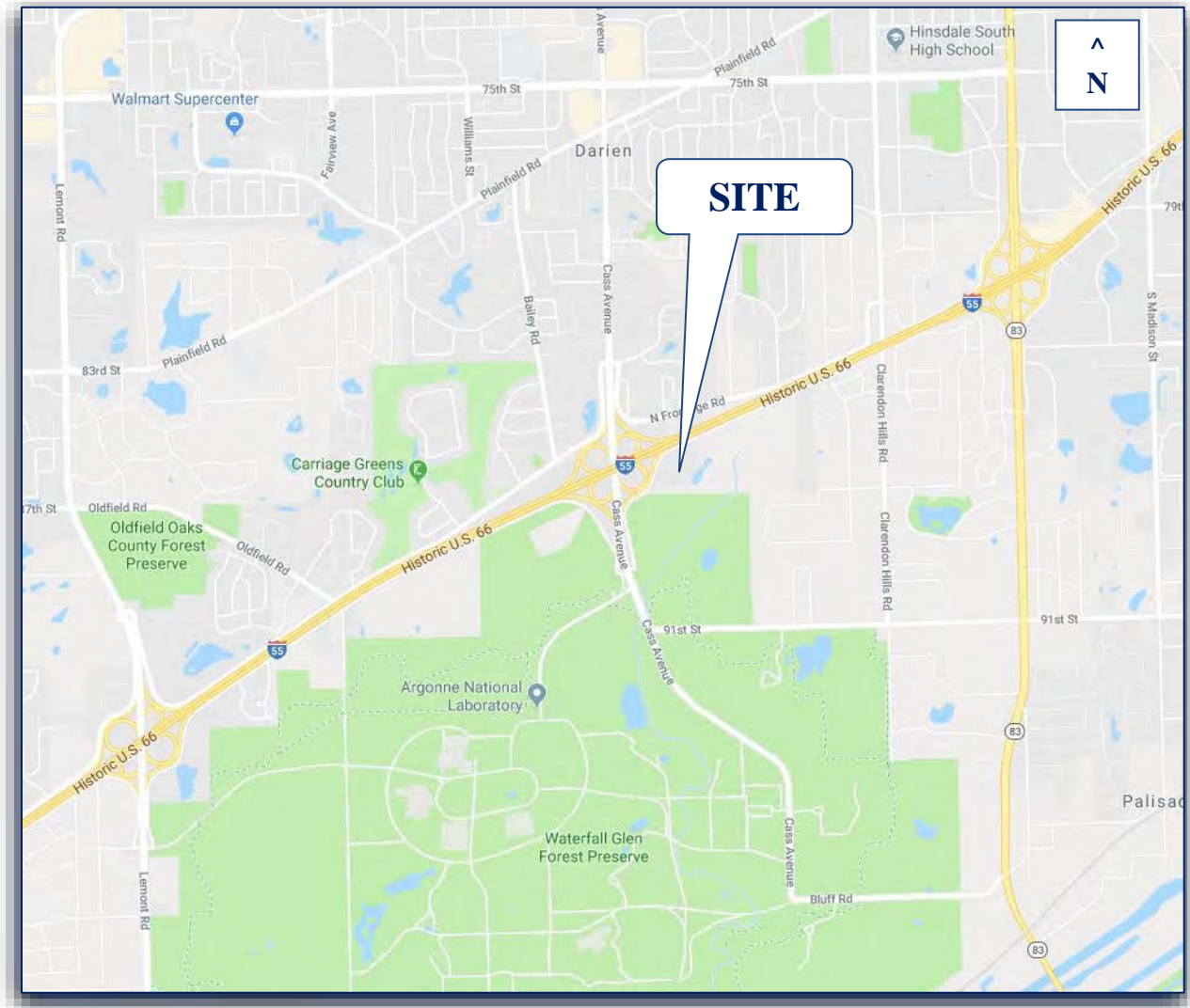
Transportation conditions in the vicinity of the site were inventoried to obtain a basis for projecting future conditions. Three components of existing conditions were considered:

- The geographic location of the site
- The characteristics of the adjacent roadway system, including lane geometry and intersection traffic controls
- The weekday peak-hour vehicle (passenger vehicles and trucks), bicycle, and pedestrian traffic volumes at the study intersections

Site Location

The site is located in the southeast quadrant of the full interchange of Interstate 55 and Cass Avenue. As noted, the vacant site is in incorporated Downers Grove Township and is proposed to be annexed into the City of Darien, Illinois. The site is bordered by Interstate 55/South Frontage Road to the north, a municipal yard/maintenance facility to the west, and undeveloped land to the east and south. The Argonne National Laboratory is located west of Cass Avenue to the south with a primary access drive via Northgate Road. The US Army Reserve Center is located in the southwest quadrant of the interchange, and residential neighborhoods are located to the east (near Clarendon Hills Road) and north of Interstate 55. According to GoogleEarth historical aerials, the site was previously occupied by a semi-trailer parking facility (from 1993 or earlier through 2011). The site is now currently vacant.

Figure 1 shows the site location on an aerial with respect to the surrounding roadway system. **Figure 2** shows the aerial of the area.



Site Location

Figure 1



Aerial View of Site

Figure 2

Existing Roadway System Characteristics

The characteristics of the existing roadways in the study area are illustrated in **Figure 3** and described below.

Cass Avenue is a north-south arterial roadway that generally has two lanes in each direction. At its unsignalized intersections with both South Frontage Road and Northgate Road, Cass Avenue provides a left-turn lane, a through lane, and a shared through/right-turn lane on both the northbound and southbound approaches. North of South Frontage Road, Cass Avenue has a full access interchange with Interstate 55. The northbound Interstate 55 to southbound Cass Avenue off-ramp intersects Cass Avenue (at the end of the gore) approximately 610 feet north of South Frontage Road. The distance between the end of the gore (where the off-ramp merges with Cass Avenue) to the beginning of the taper for the provided southbound left-turn lane on Cass Avenue at South Frontage Road is approximately 350 feet. Cass Avenue carries an Annual Average Daily Traffic (AADT) volume of 13,800 vehicles, has a posted speed limit of 45 mph, and is under the jurisdiction of the DuPage County Division of Transportation (DuDOT).

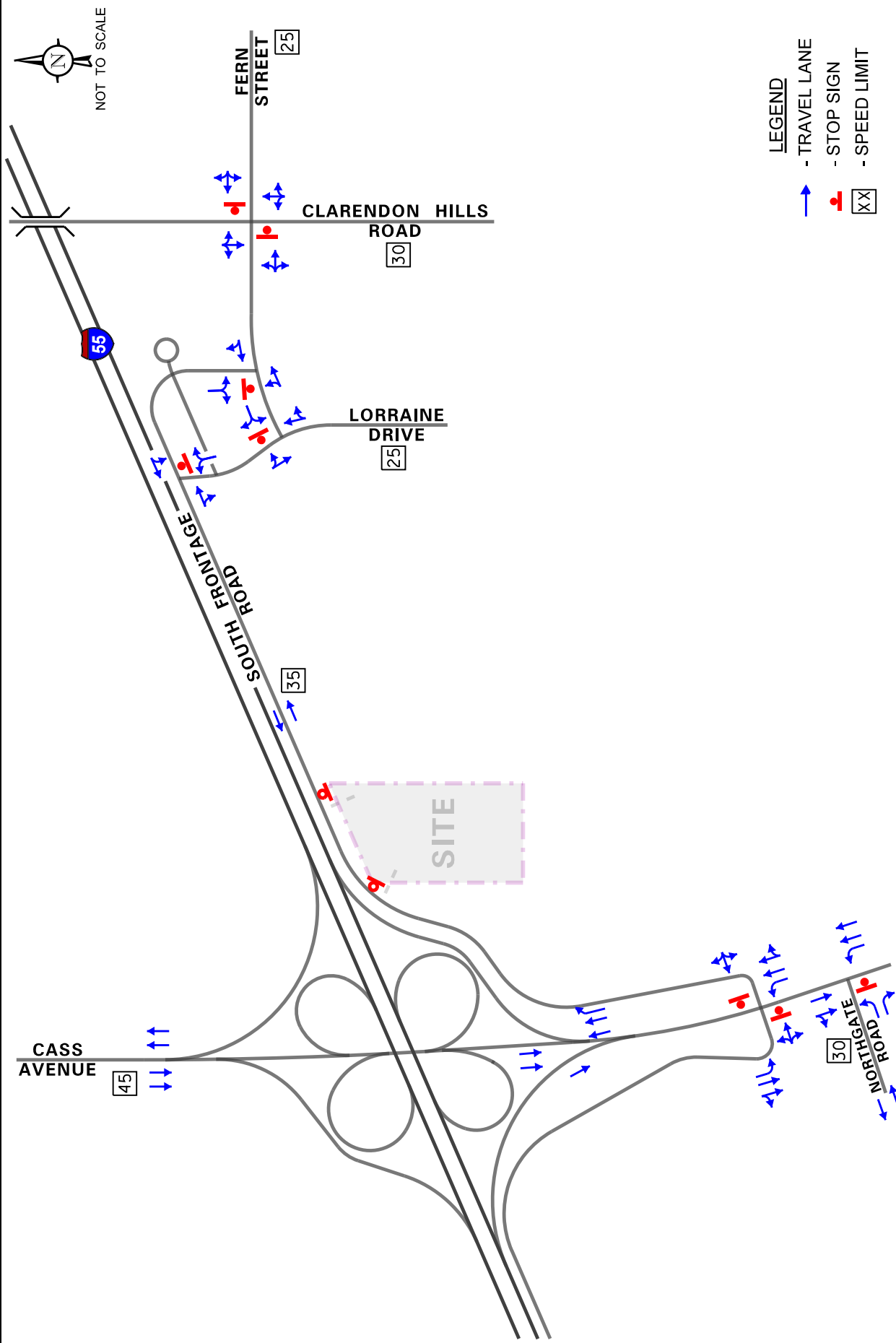
I-55 South Frontage Road is a two-lane, east-west road that provides local access along I-55. The posted speed limit is 35 mph in the vicinity of the site. On-street parking is prohibited on both sides of the road. A single lane approach is provided on both the eastbound and westbound approaches at its unsignalized intersection with Cass Avenue. South Frontage Road carries an AADT volume of 625 vehicles east of Cass Avenue and 2,200 vehicles west of Cass Avenue. South Frontage Road is under the jurisdiction of the City of Darien.

Lorraine Drive is a two-lane, north-south local road with no shoulder or curb/gutter and provides one lane in each direction. The posted speed limit is 25 mph. Lorraine Drive is under the jurisdiction of Downers Grove Township (DGT).

Clarendon Hills Road is a two-lane, north-south local road with a limited shoulder on both sides of the roadway and a posted speed limit of 30 mph. In the vicinity of Fern Street, Clarendon Hills Road carries an AADT volume of 6,450 vehicles and is under the jurisdiction of DGT.

Fern Street is a two-lane local road with no shoulder or curb/gutter and provides one lane in each direction. The posted speed limit is 25 mph. Lorraine Drive is under the jurisdiction of DGT.

Northgate Road is a two-lane roadway that provides primary access to the Argonne National Laboratory campus, as well as parking areas serving the Waterfall Glen Forest Preserve. The posted speed limit is 30 mph and parking is restricted on both sides of the roadway. A separate left- and right-turn lane are provided on its westbound approach at its stop sign-controlled T-intersection with Cass Avenue. Northgate Road is under the jurisdiction of the Village of Lemont.



Proposed Warehouse/
Distribution
Darien, Illinois

Existing Roadway Characteristics

Existing Traffic Volumes

Turning movement vehicle (passenger, truck, and bus), pedestrian, and bicycle traffic counts were conducted during the morning (6:00 to 9:00 A.M.) and afternoon (3:00 to 6:00 P.M.) peak periods on Thursday, June 7, 2018 at the following six unsignalized intersections:

- Cass Avenue and South Frontage Road
- Cass Avenue and Northgate Road
- Cass Avenue and Interstate 55 Northbound Off-Ramp
- Clarendon Hills Road and Fern Street
- Lorraine Drive and South Frontage Road
- South Frontage Road and Fern Street

From the turning movement count data, it was determined that the weekday morning peak hour generally occurs between 7:45 and 8:45 A.M. and the weekday afternoon peak hour generally occurs between 4:45 and 5:45 P.M. These two respective peak hours will be used for the traffic capacity analyses and are presented later in this report. Pedestrian and bicycle activity was observed and was reported to be relatively low at the study intersections.

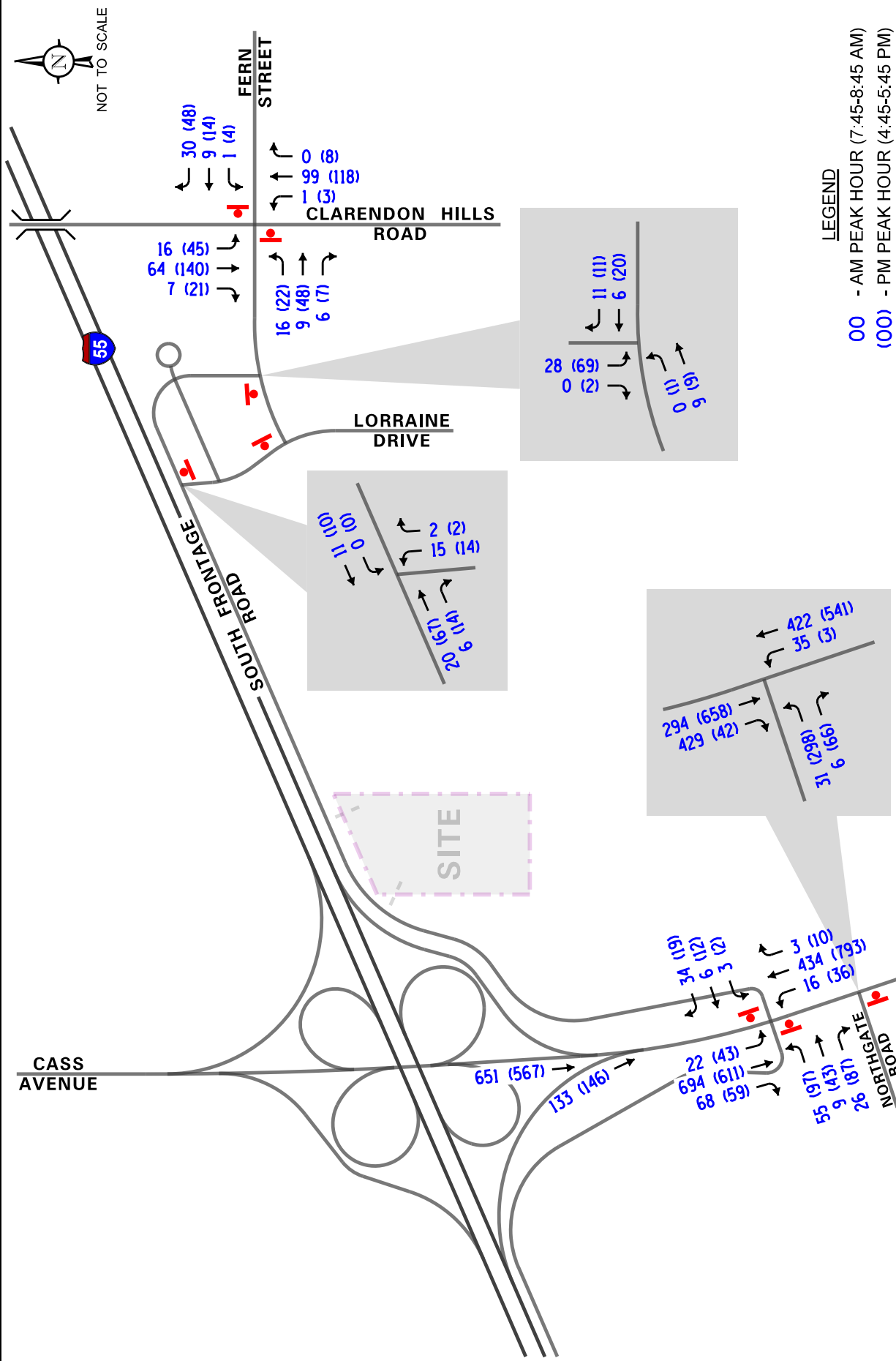
The existing peak hour vehicle traffic volumes (all vehicles) are shown in **Figure 4**. The existing peak hour truck traffic volumes are shown in **Figure 5**.

Accident Data Analysis

KLOA, Inc. obtained accident data for the past most recent available five years (2012 to 2016) for the intersection of Cass Avenue and South Frontage Road. A review of the crash data¹ indicated the following:

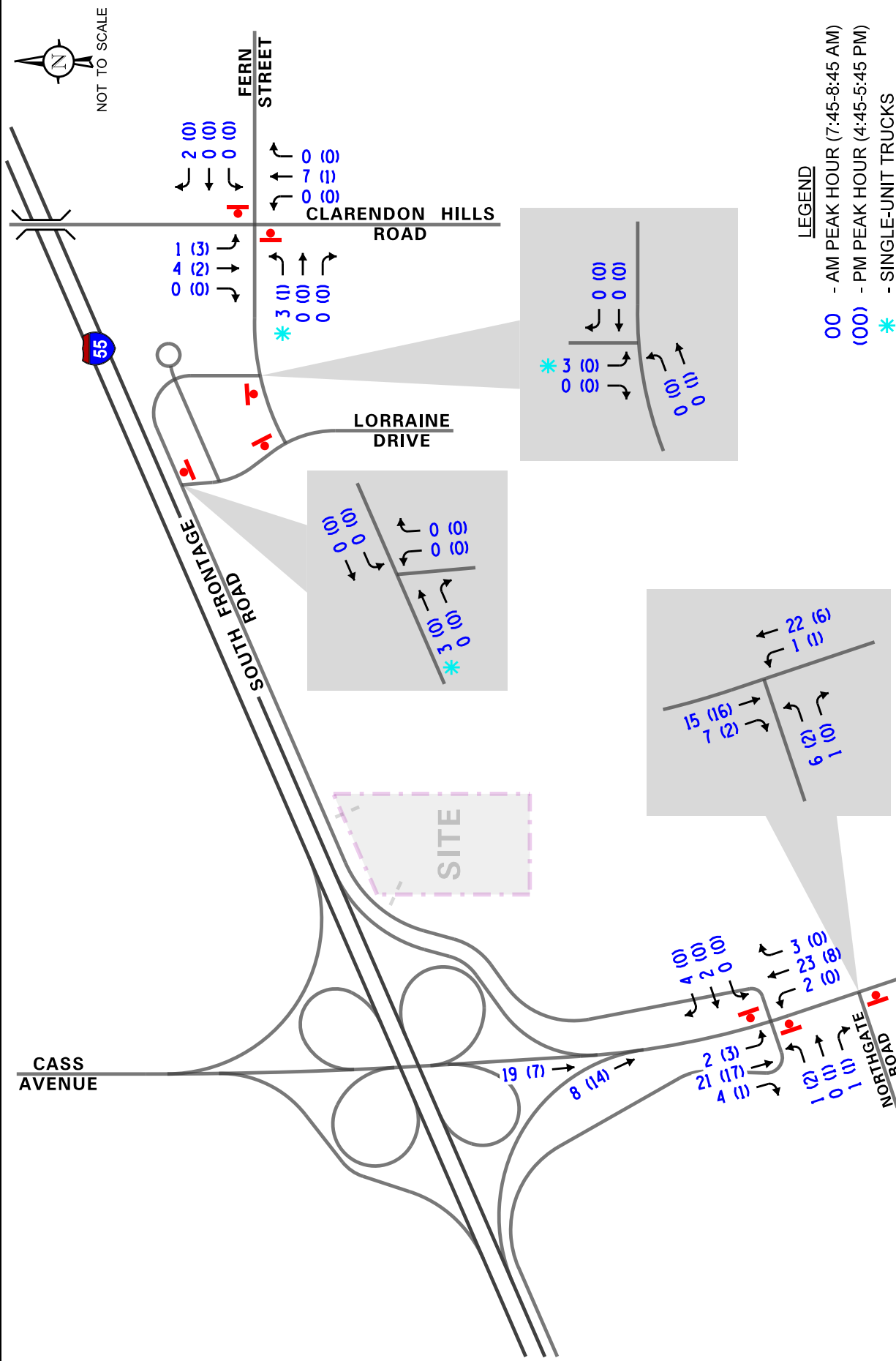
- One accident was reported in 2012.
- Three accidents were reported in 2013, of which one accident was a single-vehicle accident.
- One accident was reported in 2014.
- Three accidents were reported in 2015.
- Two accidents were reported in 2016.
- No fatalities were reported in any of these accident reports.
- As shown, the intersection experiences an average of two accidents per year.

¹ IDOT DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. Any conclusions drawn from analysis of the aforementioned data are the sole responsibility of the data recipient(s). Additionally, for coding years 2015 to present, the Bureau of Data Collection uses the exact latitude/longitude supplied by the investigating law enforcement agency to locate crashes. Therefore, location data may vary in previous years since data prior to 2015 was physically located by bureau personnel.



Existing Traffic Volumes
(Inclusive of Trucks)

Proposed Warehouse/
Distribution
Darien, Illinois



Existing Traffic Volumes
(Trucks Only)

Proposed Warehouse/
Distribution
Darlen, Illinois

Traffic Characteristics of the Proposed Development

To evaluate the impact of the subject development on the area roadway system, it was necessary to quantify the number of vehicle trips the overall site will generate during the weekday morning and weekday afternoon peak hours and then determine the directions from which this traffic will approach and depart the site.

Proposed Site and Development Plan

The proposed development site is located in the southeast quadrant of the Interstate 55 and Cass Avenue interchange in Darien, Illinois. The vacant site is in incorporated Downers Grove Township and is proposed to be annexed into the City of Darien, Illinois. The conceptual site plan calls for the approximate 10.25-acre site to be developed to include an approximate 153,000 square-foot warehouse-distribution facility with approximately 33 docks and a surface parking area for 157 passenger vehicles. A fire lane is proposed to the south of the building, connecting the truck turnaround area to the passenger vehicle parking area, thereby allowing full circulation within the site.

Truck Access

Trucks will be restricted to arriving/departing the development to/from the west via Cass Avenue. Truck access to the site will be from the proposed westerly access drive off South Frontage Road. The access drive will provide one lane inbound and one lane outbound under stop sign control. Signs will be posted restricting truck exiting movements to left-turns only.

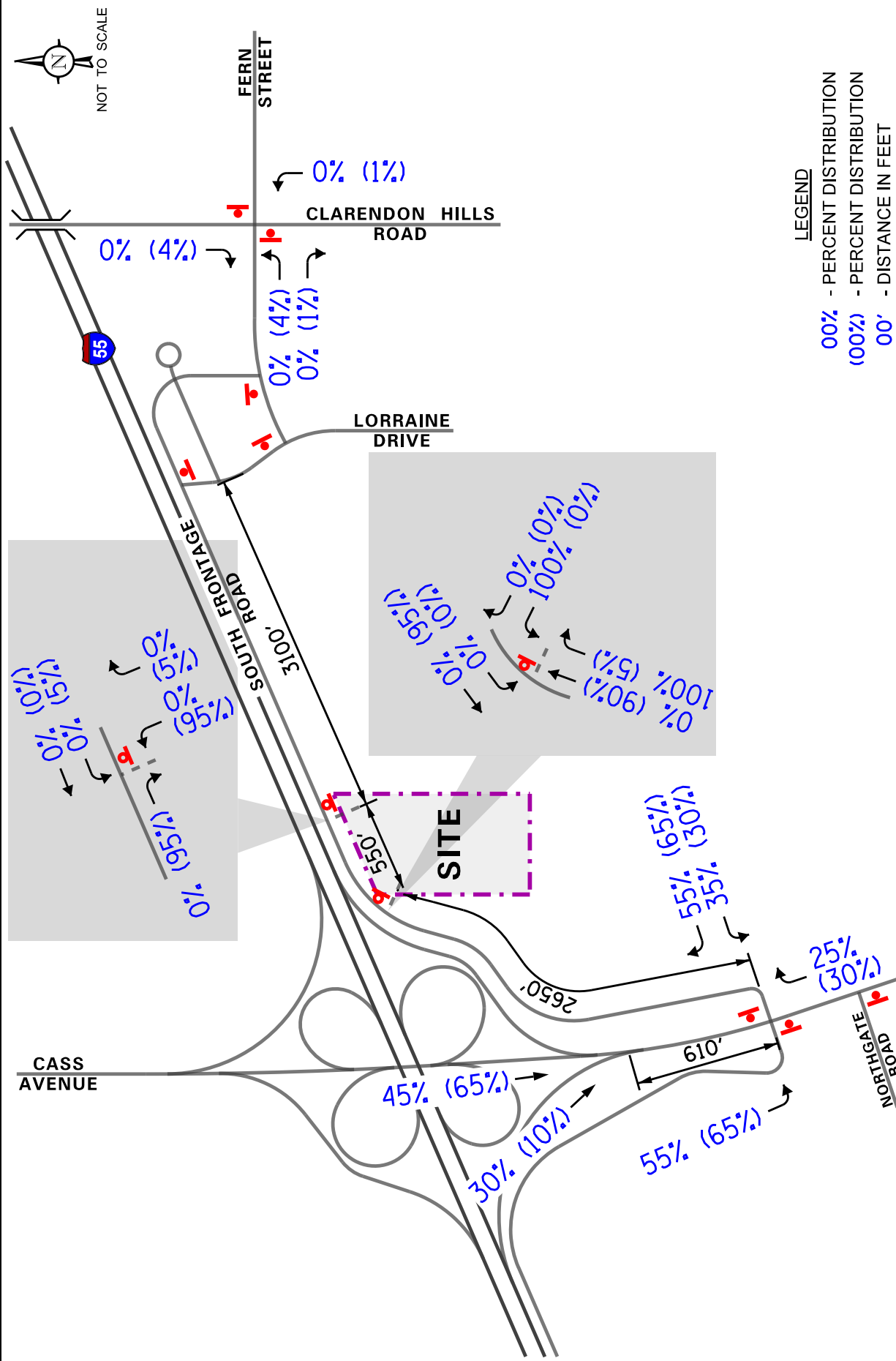
Passenger Vehicle Access

The easterly access drive will be restricted to passenger vehicles only and will provide direct access to the passenger vehicle parking area, to be located to the north and to the east of the building facility. The access drive will provide one lane inbound and one lane outbound under stop sign control. Passenger vehicles will approach/depart the site from either direction via Cass Avenue to the west or Clarendon Hills Road to the east.

Directional Distribution of Development-Generated Traffic

Two separate directional distributions were prepared: one for the truck traffic and one for the private passenger vehicle traffic. The respective directional distributions of how development traffic will approach and depart the site was estimated based on a combination of existing travel patterns (both vehicle and truck traffic), the location of the site relative to arterial roadways in the area, and the orientation and physical restrictions of the surrounding roadway system.

The two, separate estimated directional distributions for the proposed development are illustrated in **Figure 6**.



Estimated Directional Distribution

Proposed Warehouse/
Distribution
Darien, Illinois

Development Traffic Generation

The estimates of traffic to be generated by the development are based upon the proposed land use type and size using data published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition. Further, based on ITE studies of warehouse/distribution centers, it is estimated that approximately 10 to 20 percent of the traffic approaching and departing the development during the peak hours of the day will be trucks, with the remaining 80 to 90 percent being passenger vehicles.

Table 1 shows the truck and passenger vehicle trips estimated to be generated for the proposed development during the weekday morning and weekday afternoon peak hours, in addition to the weekday daily (two-way) volumes.

Table 1

ESTIMATED VEHICLE TRIP GENERATION FOR PROPOSED DEVELOPMENT

Development/Size	Weekday Morning Peak Hour		Weekday Afternoon Peak Hour		Weekday Daily
	In	Out	In	Out	
Warehouse/Distribution 153,000 s.f. (LUC 150) TOTAL	34	10	12	34	287
<i>Truck Traffic (20%)¹</i>	7	2	2	7	57
<i>Passenger Vehicle Traffic (80%)</i>	27	8	10	27	230

¹20 percent assumed in study for conservative analysis purposes.

Development Traffic Assignment

The peak hour traffic volumes projected to be generated by the proposed warehouse/distribution development (Table 1) were assigned to the area roadways based on the directional distributions established (Figure 6).

Figure 7 shows the assignment of the development-generated truck traffic volumes. **Figure 8** shows the assignment of the development-generated passenger vehicle traffic volumes.

Year 2024 Base (No-Build) Projected Traffic Conditions

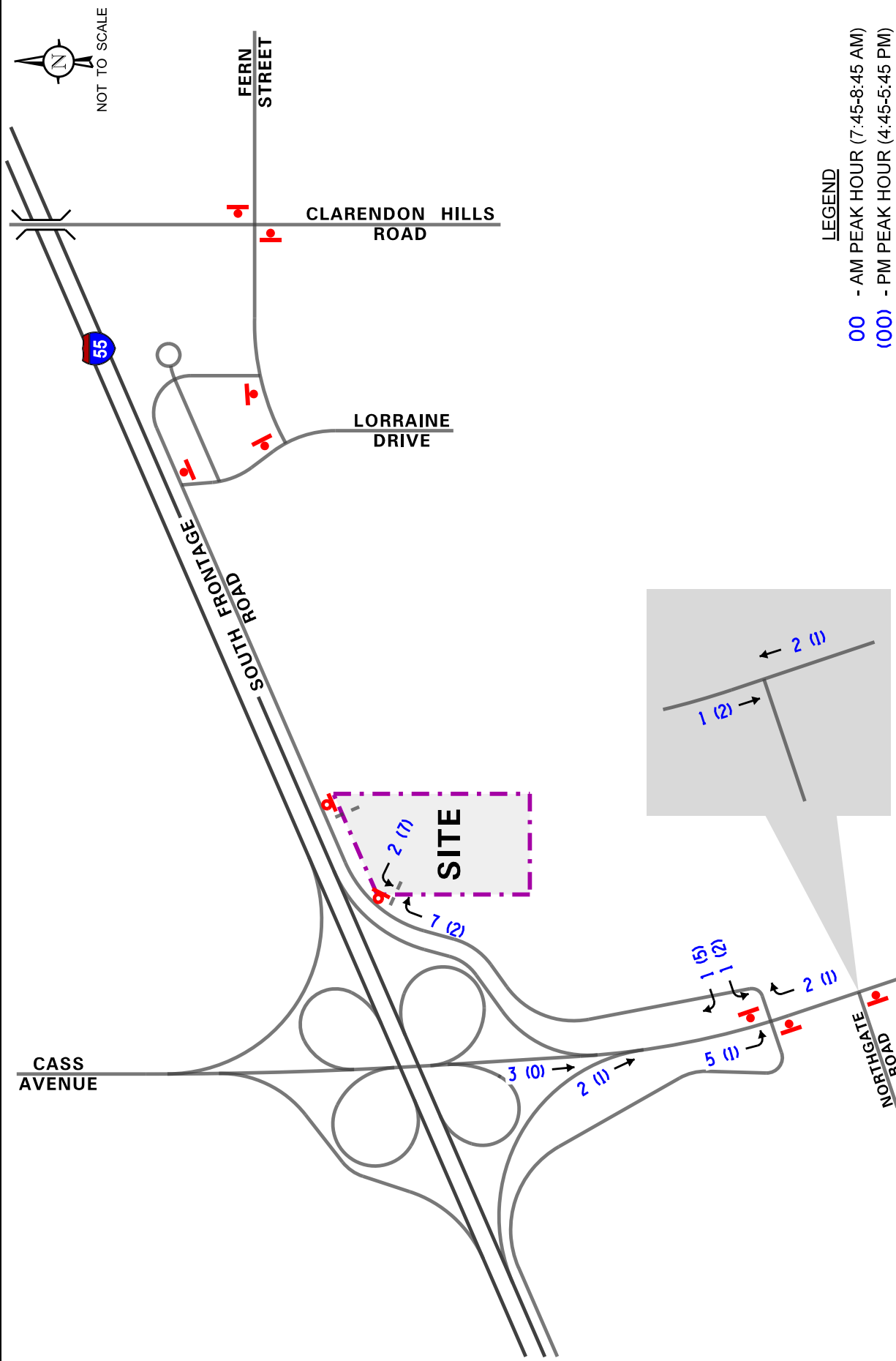
Traffic was projected to Year 2024 conditions, which represents the buildout year (Year 2019) plus five years. To account for the increase in existing traffic related to regional growth in the area (i.e. not attributable to any particular planned development) for Year 2024 conditions (buildout plus five years), the existing peak hour traffic volumes were increased by a total of 24 percent (four percent per year for six years). This increase percentage was based on data provided by the Chicago Metropolitan Agency for Planning (CMAP). A copy of the CMAP letter is included in the Appendix of this report.

Figure 9 shows the Year 2024 Base (No-Build) projected traffic volumes.

Total Projected Traffic Conditions

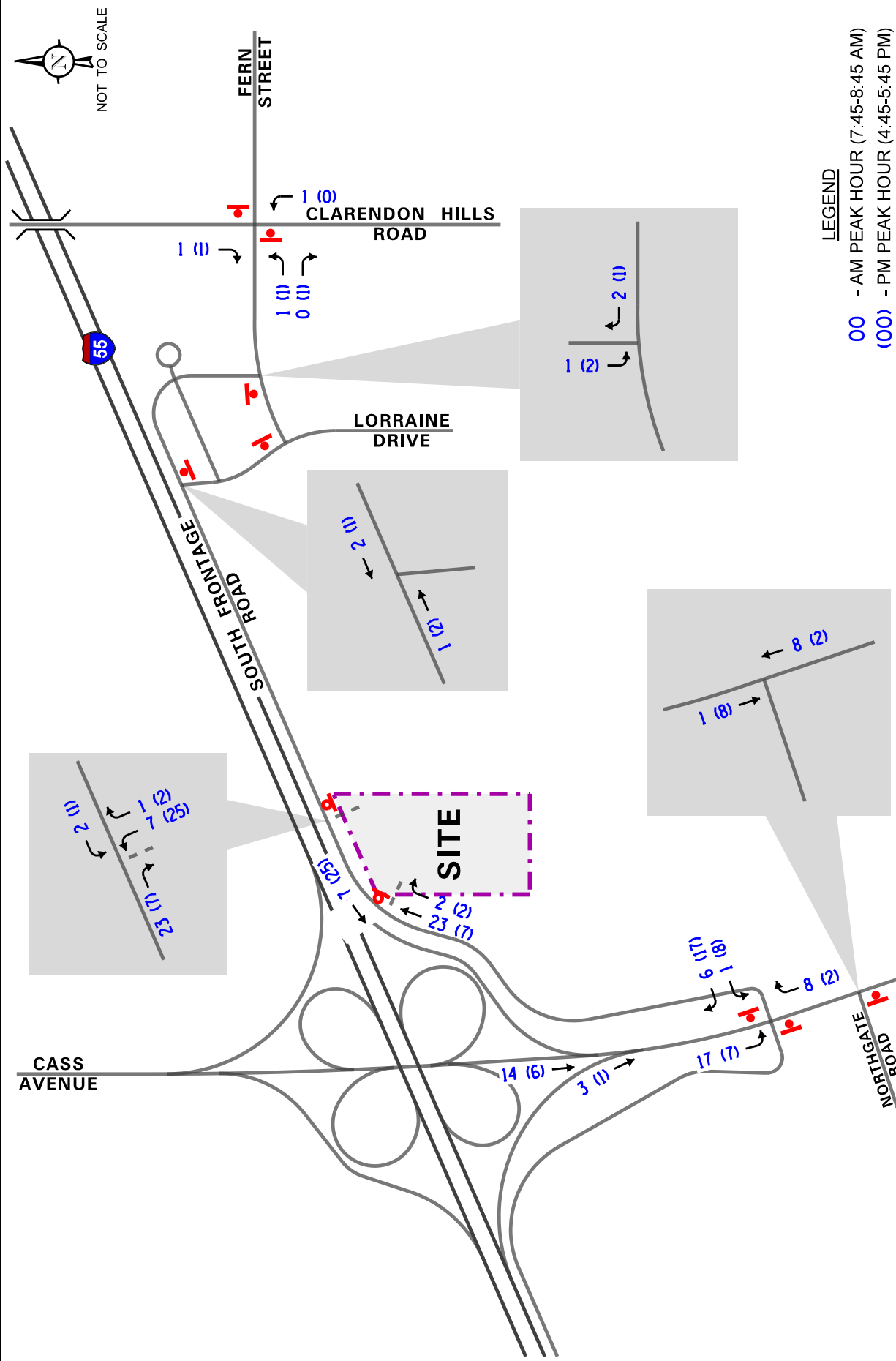
The total projected traffic volume conditions include the Year 2024 Base conditions (Figure 9) and the proposed warehouse/distribution development-generated traffic volumes (Figures 7 and 8).

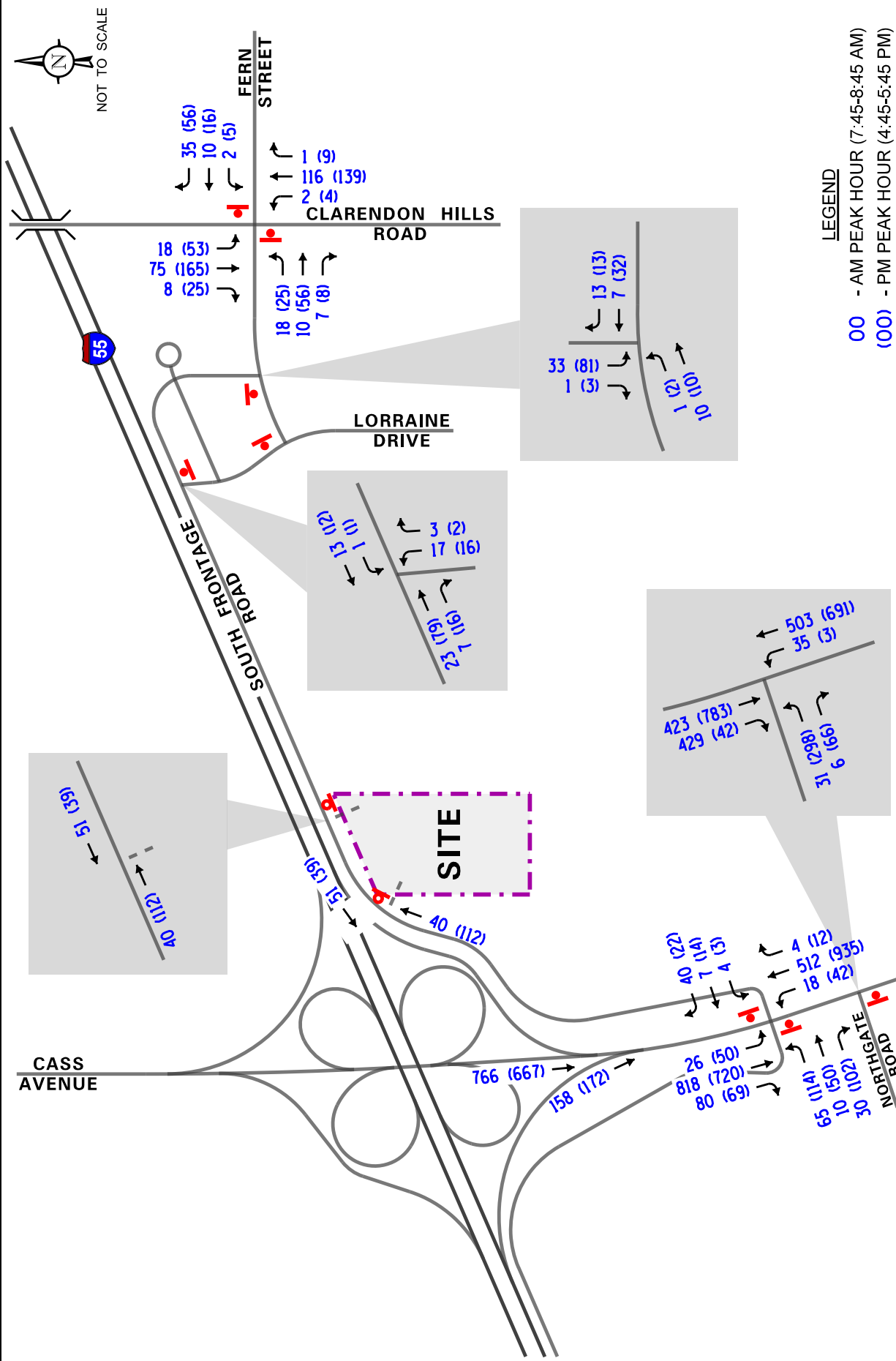
Figure 10 shows the total projected Year 2024 traffic volume conditions.



Development-Generated Traffic Volumes
(Trucks)

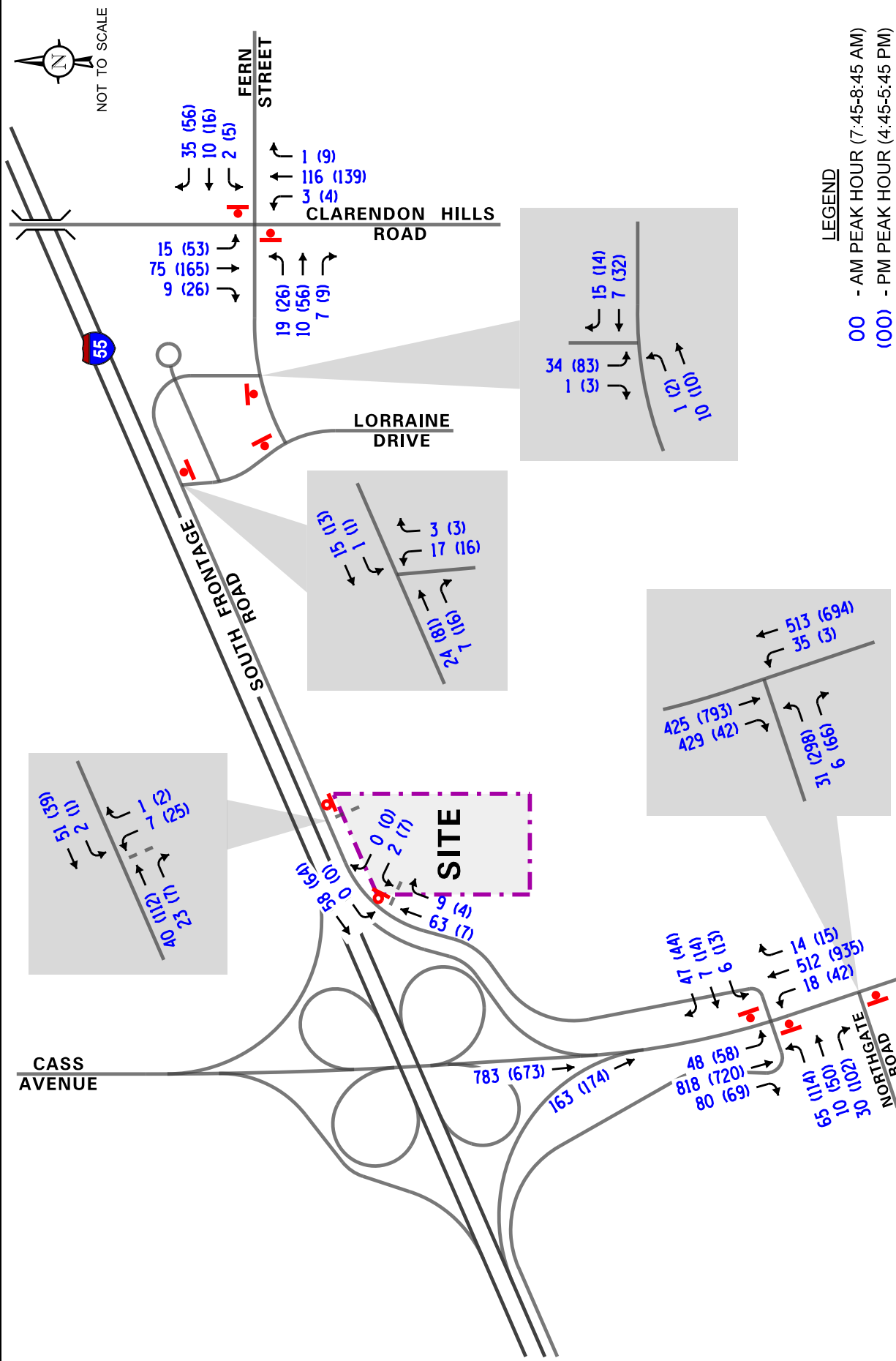
Proposed Warehouse/
Distribution
Darien, Illinois





Year 2024 Base Traffic Volumes

Proposed Warehouse/
 Distribution
 Darien, Illinois



Total Projected Traffic Volumes

Proposed Warehouse/
 Distribution
 Darien, Illinois

Traffic Analysis and Recommendations

Capacity analyses were performed for the key intersections included in the study area to determine the ability of the existing roadway system to accommodate existing and future traffic demands. Analyses were performed for the weekday morning and weekday afternoon peak hours for both existing and future conditions.

The traffic analyses were performed using the methodologies outlined in the Transportation Research Board's *Highway Capacity Manual (HCM)*, 2010 and using Synchro-SimTraffic analysis software.

The analyses for the unsignalized intersections determine the average control delay to vehicles at an intersection. Control delay is the elapsed time from a vehicle joining the queue at a stop sign (includes the time required to decelerate to a stop) until its departure from the stop sign and resumption of free flow speed. The methodology analyzes each intersection approach controlled by a stop sign and considers traffic volumes on all approaches and lane characteristics.

The ability of an intersection to accommodate traffic flow is expressed in terms of level of service, which is assigned a letter from A to F based on the average control delay experienced by vehicles passing through the intersection. The *Highway Capacity Manual* definitions for levels of service and the corresponding control delay are included in the Appendix of this report.

A summary of the level of service/delay results for both existing and future conditions for each analyzed intersection are presented in **Table 2** and **Table 3**, respectively.

A discussion of the capacity analysis results and recommendations follows.

Table 2
 CAPACITY ANALYSIS RESULTS FOR UNSIGNALIZED INTERSECTIONS
 EXISTING (YEAR 2018) CONDITIONS

Intersection	Weekday Morning Peak Hour		Weekday Afternoon Peak Hour	
	LOS	Delay	LOS	Delay
Cass Avenue and South Frontage Road				
• Eastbound Approach	C	18.2	E	38.4
• Westbound Approach	B	11.8	C	16.4
• Northbound Left-Turn	A	9.8	A	9.2
• Southbound Left-Turn	A	8.5	B	10.2
Cass Avenue and Northgate Road				
• Eastbound Approach	B	13.6	E	36.2
• Northbound Left-Turn	A	9.7	B	10.4
Cass Avenue and I-55 Southbound Off-Ramp (Yield)				
• Off-Ramp to Cass Ave	B	12.4	B	12.1
Clarendon Hills Road and Fern Street				
• Eastbound Approach	B	10.3	B	13.4
• Westbound Approach	A	9.5	B	10.2
South Frontage Road and Lorraine Drive				
• Northbound Approach	A	9.0	A	9.1
South Frontage Road and Fern Street				
• Southbound Approach	A	9.0	A	9.1
Delay is measured in seconds.				

Table 2
 CAPACITY ANALYSIS RESULTS FOR UNSIGNALIZED INTERSECTIONS
 TOTAL PROJECTED (YEAR 2024) CONDITIONS

Intersection	Weekday Morning Peak Hour		Weekday Afternoon Peak Hour	
	LOS	Delay	LOS	Delay
Cass Avenue and South Frontage Road				
• Eastbound Approach	D	25.4	F	>70.0
• Westbound Approach	B	13.3	D	25.4
• Northbound Left-Turn	B	10.5	A	9.7
• Southbound Left-Turn	A	8.9	B	11.1
Cass Avenue and Northgate Road				
• Eastbound Approach	B	15.3	F	64.8
• Northbound Left-Turn	B	10.4	B	11.2
Cass Avenue and I-55 Southbound Off-Ramp (Yield)				
• Off-Ramp to Cass Ave	B	14.2	B	13.5
Clarendon Hills Road and Fern Street				
• Eastbound Approach	B	10.3	B	15.0
• Westbound Approach	A	9.6	B	10.7
South Frontage Road and Lorraine Drive				
• Northbound Approach	A	9.1	A	9.3
South Frontage Road and Fern Street				
• Southbound Approach	A	9.1	A	9.4
Proposed Truck Access and South Frontage Road				
• Westbound Approach	B	10.3	B	10.7
Proposed Passenger Vehicle Access and South Frontage Road				
• Northbound Approach	A	9.0	A	9.5
Delay is measured in seconds.				

Discussion and Recommendations

The following summarizes how the intersections within the study area currently operate and are projected to operate assuming the total projected traffic volumes. It will also identify any roadway and traffic control improvements and/or modifications necessary to accommodate the projected traffic volumes.

Cass Avenue and South Frontage Road

As noted, both the eastbound and westbound approaches on South Frontage Road provide a single lane approach allowing left- through-, and right-turning movements under stop sign control. Cass Avenue traffic is under free flow conditions. The capacity analyses show that the westbound approach currently operates at an acceptable LOS for the approach under existing conditions. Under projected conditions, which includes regional growth in traffic of 24 percent in addition to the development-generated traffic, the eastbound approach will continue to operate at a good LOS B during the weekday morning peak hour and will change from a LOS C to a LOS D during the weekday evening peak hour. This is typical for a minor roadway under stop sign control at its intersection with an arterial roadway. The eastbound approach will continue to operate at an undesirable LOS under projected conditions. This is primarily due to the volume of left-turning vehicles desiring to travel northbound on Cass Avenue. Further, the queue analysis shows that the southbound left-turn storage will continue to be more than adequate to accommodate the southbound left-turning movements. As such, the proposed development will have a limited impact on the traffic operations at this intersection. It is also important to note that a traffic signal is not warranted at this intersection based on the projected traffic volumes compared to the minimum traffic volume thresholds that are required to satisfy traffic signal warrants. Therefore, no roadway or traffic control improvements are recommended at this intersection in conjunction with the proposed development.

Cass Avenue and Northgate Road

Northgate Road T-intersects Cass Avenue from the west and provides a separate left-turn lane and a right-turn lane under stop sign control. Northgate Road is one of the primary entrances to the Argonne National Laboratory Campus. As such, there is a high volume of southbound to westbound right-turn movements during the weekday morning; conversely, there is a high volume of eastbound to northbound left-turn movements. These high volumes of employee-related traffic coupled with the increase in through traffic resulting from the regional growth in traffic applied to the through volumes on Cass Avenue result in the outbound turning movements to operate at an undesirable LOS during the weekday evening peak hour. No roadway or traffic control improvements are recommended at this intersection in conjunction with the proposed development.

Cass Avenue and Interstate 55 Southbound Off-Ramp

The Interstate 55 Southbound Off-Ramp merges with southbound Cass Avenue approximately 610 feet north of South Frontage Road. The exiting ramp traffic must yield to southbound through traffic on Cass Avenue. The capacity analyses show that this yielding movement will continue to operate at good levels of service during both peak hour conditions. No improvements are recommended at this intersection in conjunction with the proposed development. A weave analysis was performed for the section of roadway on Cass Avenue between this intersection and South Frontage Road and is discussed under a separate section further below.

Clarendon Hills Road and Fern Street

Single lane approaches are provided on all four approaches at this two-way stop sign controlled intersection. Clarendon Hills Road traffic is under free flow conditions. The existing traffic volumes show that there is a limited volume of trucks traversing this intersection, particularly from Fern Street, west of Clarendon Hills Road, and will continue to be the case under projected conditions. The capacity analyses show that this intersection operates at good levels of service and will continue to do so under projected conditions. Therefore, no roadway or traffic control improvements are recommended at this intersection in conjunction with the proposed development.

South Frontage Road with Lorraine Drive and Fern Street

The stop sign controlled intersections on South Frontage Road with Lorraine Drive and Fern Street will continue to operate at good levels of service under projected conditions. As such, no roadway or traffic control improvements are needed or recommended at this intersection in conjunction with the proposed development.

Proposed Truck Access and South Frontage Road

The proposed westerly access drive will be primarily for truck traffic only, and will provide one lane inbound and one lane outbound under stop sign control. Signs will be posted restricting truck exiting movements to left-turns only. Because of the low volume of turning movements during the peak hours, neither a left-turn lane nor a right-turn lane is needed on South Frontage Road. The capacity analyses show that the access drive will operate at acceptable levels of service during projected traffic conditions. Truck turning exhibits showing both the ingress and egress of trucks from this access drive onto South Frontage Road are included in the Appendix of this report.

Proposed Passenger Vehicle Access and South Frontage Road

The proposed easterly access drive will be restricted to passenger vehicles only and will provide one lane inbound and one lane outbound under stop sign control. Because of the low volume of turning movements during the peak hours, neither a left-turn lane nor a right-turn lane is needed on South Frontage Road. The capacity analyses show that the access drive will operate at acceptable levels of service during projected traffic conditions.

Weave Analysis

A weave analysis was conducted to determine the adequacy of the distance on Cass Avenue between the beginning of the taper/storage for the southbound left-turn lane at South Frontage Road and the Interstate Southbound Off-Ramp. The weave analysis was conducted utilizing the methodology outlined in the *HCM 2010* and analyzed using the HCS 7 software program.

The exit ramp merge with Cass Avenue, where both traffic flows are under free flow conditions, is located approximately 610 feet north of the South Frontage Road/Cass Avenue intersection. Further, there is approximately 350 feet between the end of the merge and the beginning of the taper to the southbound left-turn lane on Cass Avenue at its intersection with South Frontage Road. As such, vehicles on the exit ramp desiring to turn left at South Frontage Road must merge with Cass Avenue, then cross a second through lane and enter the taper/storage for the southbound left-turn lane while travelling under free flow conditions.

Figure A and **Figure B**, included in the Appendix of this report, illustrate the existing and projected weaving volumes between the exit ramp and South Frontage Road, respectively. Summaries of the weave analysis results for both exiting and total projected conditions (Year 2024), are also included in the Appendix of this report.

Based on the results of the weave analyses, the weaving maneuvers along this roadway segment are projected to continue operating at very good levels of service and that the distance between the exit ramp and South Frontage Road will continue to be adequate. Further, and as noted previously, the queue analysis shows that the southbound left-turn storage will continue to be more than adequate to accommodate the southbound left-turning movements. Therefore, the additional traffic estimated to be generated by the proposed development desiring to access South Frontage Road from the exit ramp will have a limited impact on traffic operations at this junction.

Sight-Distance Analysis

A sight-distance analysis was conducted to determine if there is adequate stopping sight distance for vehicles on South Frontage Road to see vehicles waiting to exit from either of the proposed access drives onto South Road. **Figure C** that shows the sight distance analyses is included in the Appendix of this report. The analyses show that there is adequate stopping sight distance for trucks approaching the respective access drives from either direction.

South Frontage Road Improvements

In conjunction with this proposed development, there are plans to improve a portion of South Frontage Road that include grinding with new overlay and the centerline and edge lines will be restriped. An exhibit illustrating the proposed roadway improvements is included in the Appendix of this report.

Conclusion

A traffic impact study was conducted for the proposed warehouse-distribution facility to be located in the southeast quadrant of the Interstate 55 and Cass Avenue interchange in Darien, Illinois. The conceptual site plan calls for the approximate 10.25-acre site to be developed to include an approximate 153,000 square-foot warehouse-distribution facility with approximately 33 docks and a surface parking area for 157 passenger vehicles and proposes two full access drives off South Frontage Road.

Based on the preceding analyses and recommendations, the following conclusions have been made.

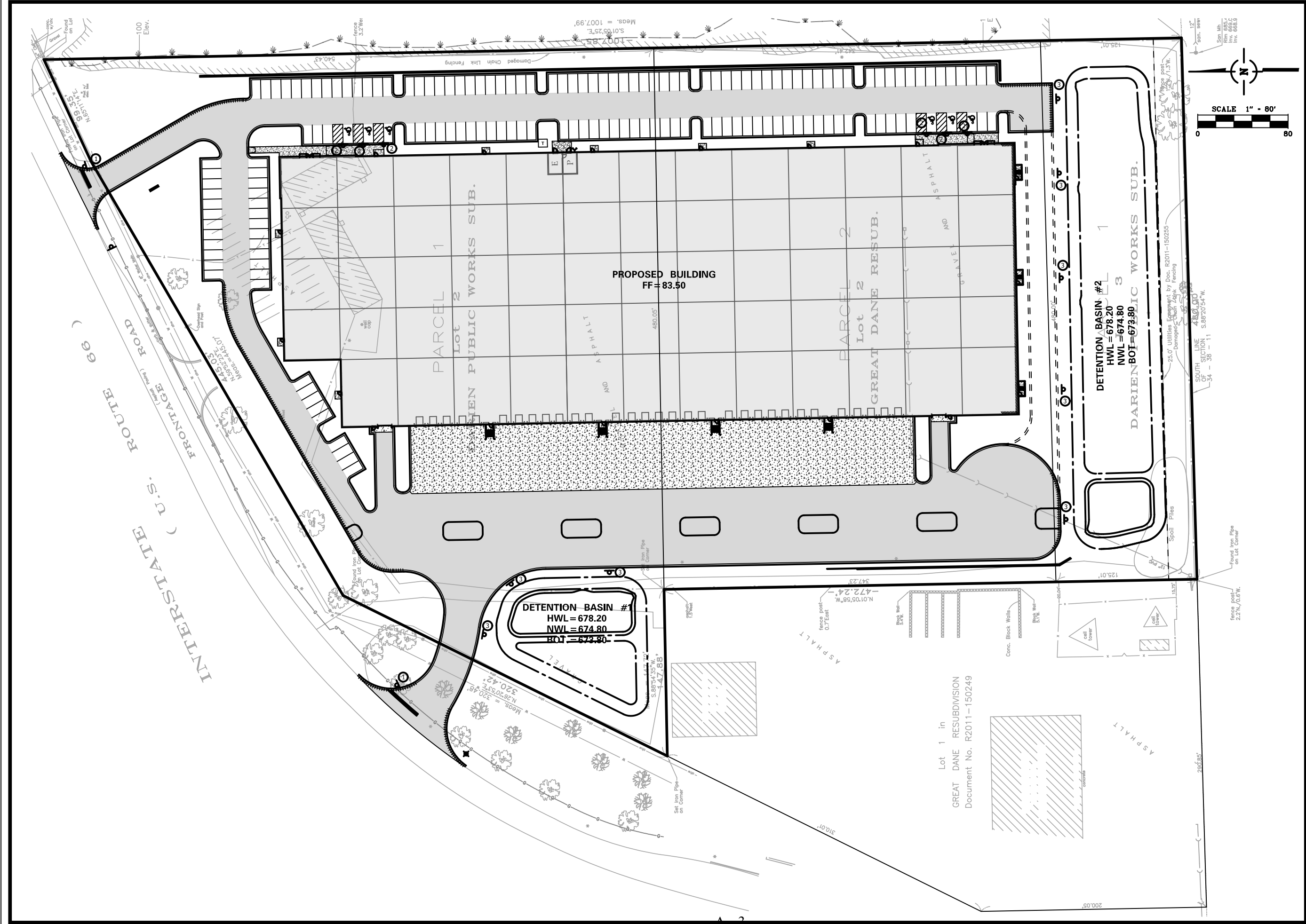
- Truck traffic will be oriented to/from the west via the unsignalized intersection of Cass Avenue and South Frontage Road. Signs will be posted at the proposed truck access drive restricting exiting movements to left-turns only.
- Based on historical aerials, the site was previously developed as a semi-trailer parking field, thus generating truck traffic.
- The traffic estimated to be generated by the proposed development will have a limited impact on the surrounding roadway network.
- No traffic control or roadway improvements are needed or recommended on South Frontage Road at its intersections with Cass Avenue, Lorraine Street, and Fern Street.
- A traffic signal is not warranted at the intersection of Cass Avenue and South Frontage Road under existing or projected traffic volumes.
- Similarly, no traffic control or roadway improvements are needed or recommended at the intersections of Clarendon Hills Road and Fern Street and the Cass Avenue and Northgate Road.
- The two proposed access drives will each provide one lane inbound and one lane outbound under stop sign control. Because of the low volume of turning movements, neither a left-turn lane nor a right-turn lane are needed on South Frontage Road.
- The truck access drive will be restricted, via signage, to exiting left-turns only. No trucks will be allowed to access the site to/from the east via Clarendon Hills Road.
- Truck turning exhibits show that trucks can turn to/from the proposed truck access drive onto South Frontage Road.
- There is adequate stopping sight distance for trucks approaching the respective access drives from either direction.

- In conjunction with the proposed development, a portion of South Frontage Road will be grinded with new overlay and the centerline and edge lines will be restriped.
- A weave analysis shows that the distance on Cass Avenue between the Interstate 55 Southbound Off-Ramp and South Frontage Road is adequate for vehicles from the exit ramp to cross over into the southbound left-turn lane at South Frontage Road. Further, the queue analysis shows that the southbound left-turn storage at South Frontage Road will continue to be more than adequate to accommodate the southbound left-turning movements.
- A review of the proposed site plan shows that the proposed 157 passenger vehicle parking spaces satisfies what is required by the City of Darien.

Appendix

Site Plan
Weave Volumes – Figure A and Figure B
Stopping Sight Distance Figure C
Truck Turn Exhibits
South Frontage Road – Road Improvement Exhibit
Traffic Count Summary Sheets
CMAP Traffic Projection Letter
Level of Service Criteria
Capacity Analysis
Weave Analysis
Accident Data

Site Plan



SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

DATE: 08/20/18 FILENAME: 8552.04GM JOB NO: 8552.04

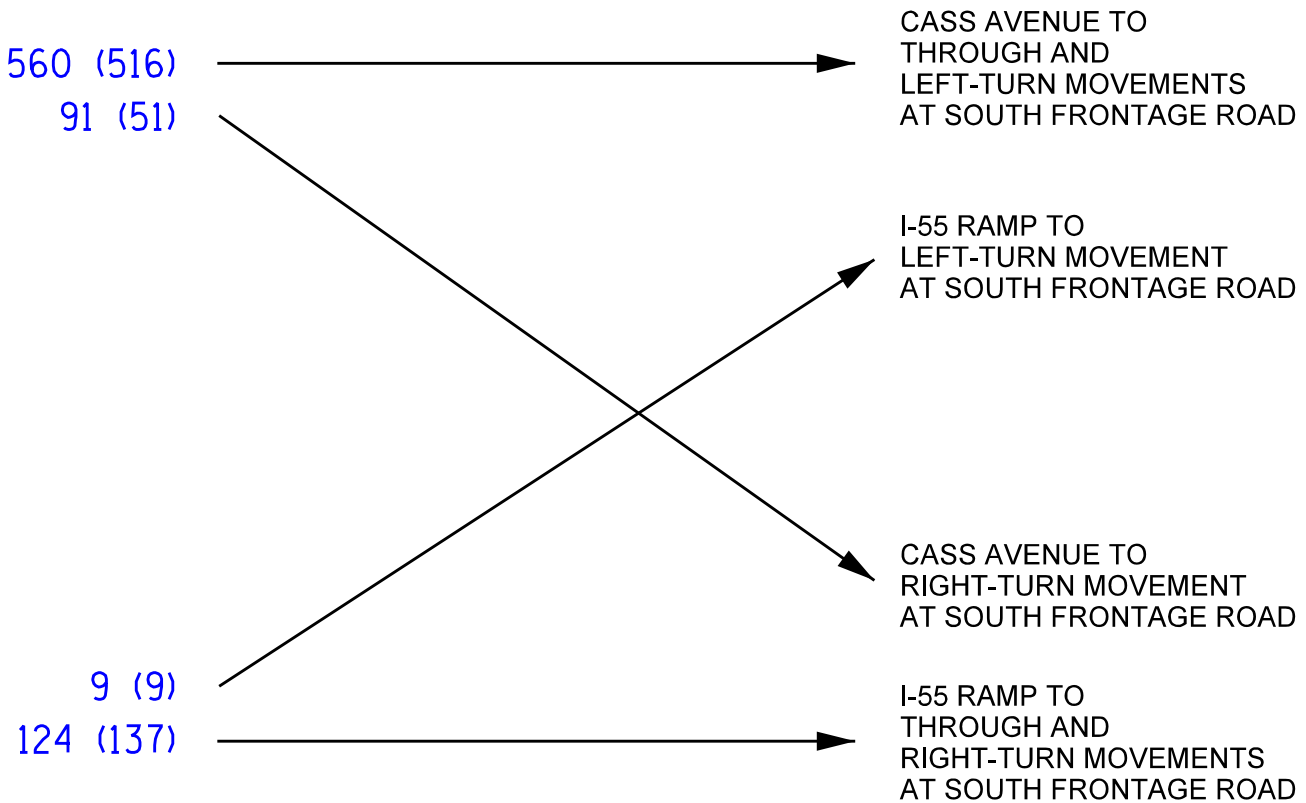
SITE PLAN

1035 SOUTH FRONTAGE ROAD
INDUSTRIAL BUILDING
DARIEN, ILLINOIS

Weave Volumes – Figure A and Figure B



NOT TO SCALE



LEGEND

00 - AM PEAK HOUR (7:45-8:45 AM)

(00) - PM PEAK HOUR (4:45-5:45 PM)

Proposed Warehouse/
Distribution
Darien, Illinois

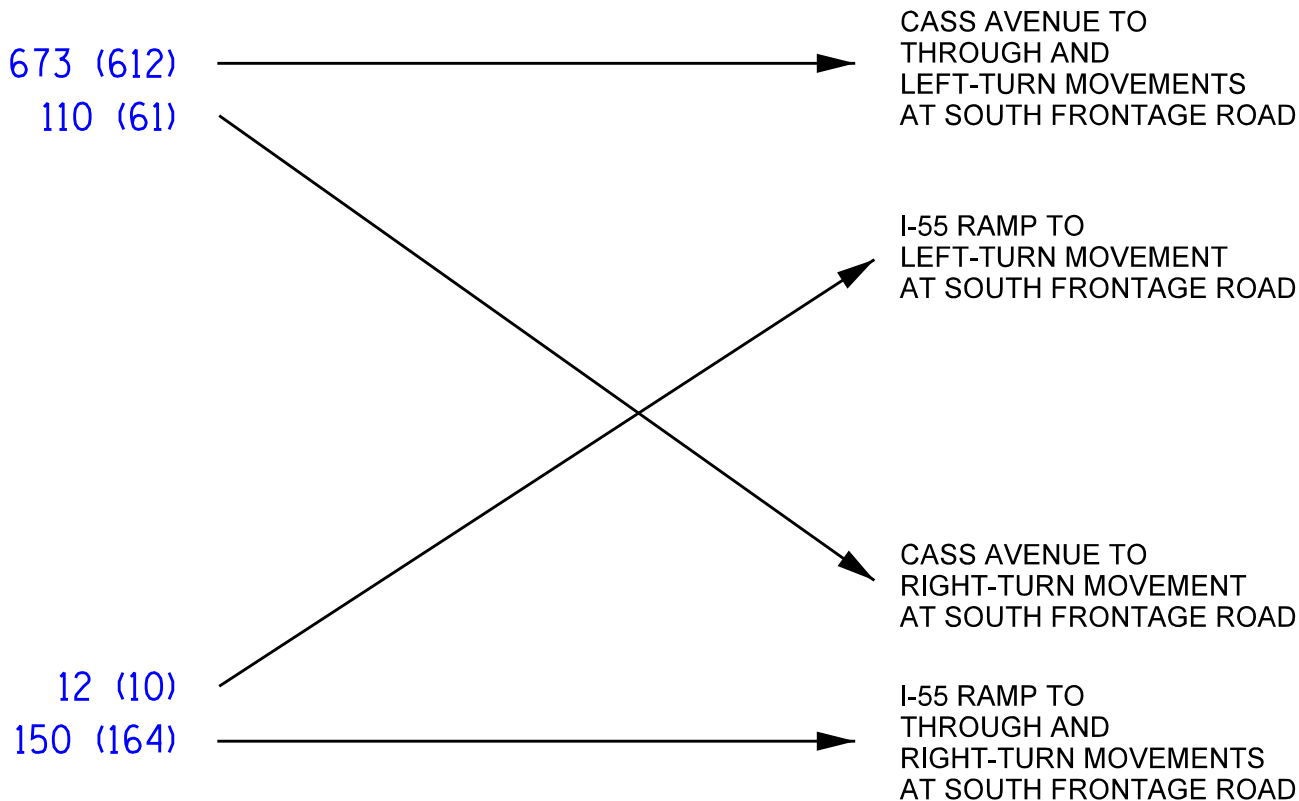
Existing Weaving Volumes
Southbound Cass Avenue Between
I-55 Ramp and South Frontage Road



Job No: 18-112 Figure: A



NOT TO SCALE



LEGEND

00 - AM PEAK HOUR (7:45-8:45 AM)

(00) - PM PEAK HOUR (4:45-5:45 PM)

Proposed Warehouse/
Distribution
Darien, Illinois

Year 2024 Weaving Volumes
Southbound Cass Avenue Between
I-55 Ramp and South Frontage Road

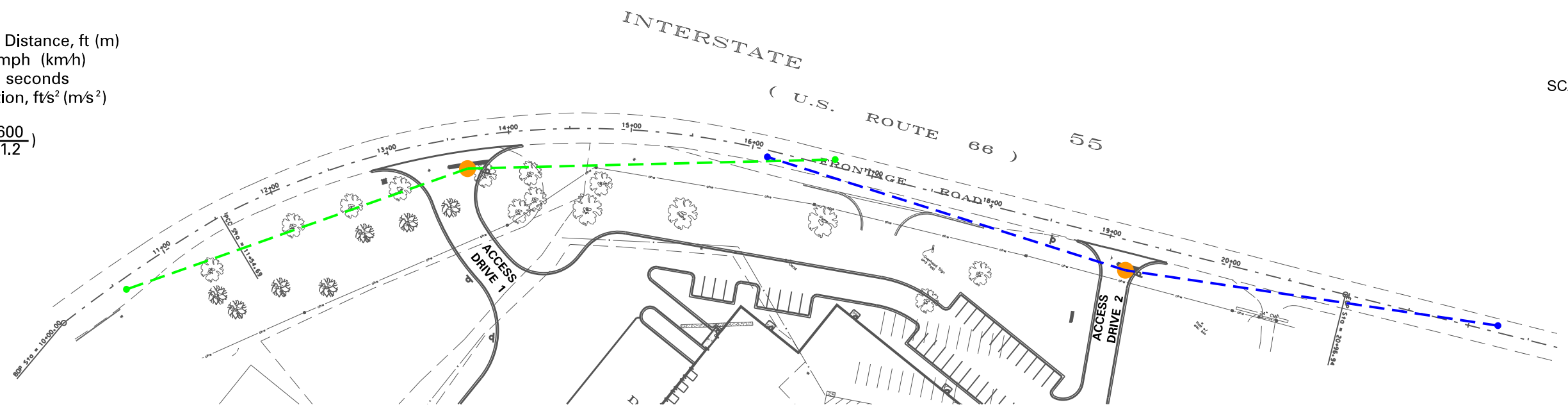
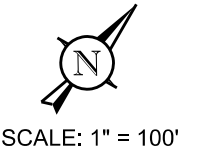
KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.
Job No: 18-112 Figure: B

Stopping Sight Distance – Figure C

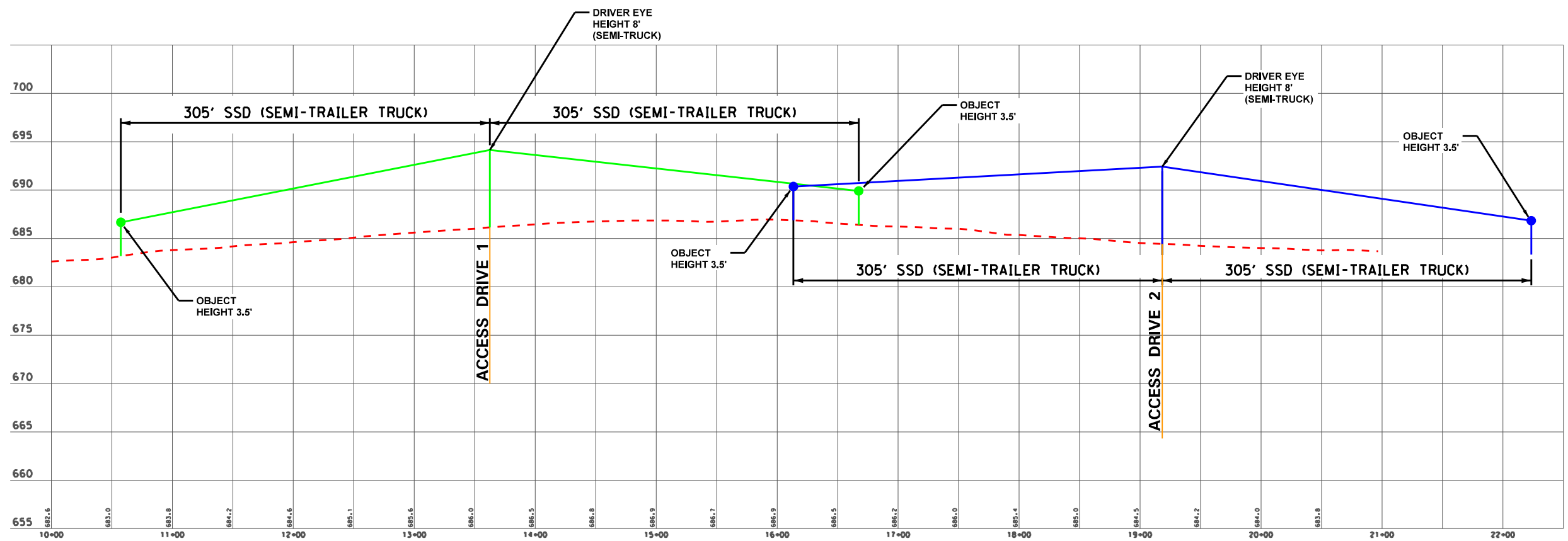
$$SSD = 1.47 Vt + 1.075 \frac{V^2}{a}$$

where: SSD = Stopping Sight Distance, ft (m)
 V = design speed, mph (km/h)
 t = brake time, 2.5 seconds
 a = driver deceleration, ft/s² (m/s²)

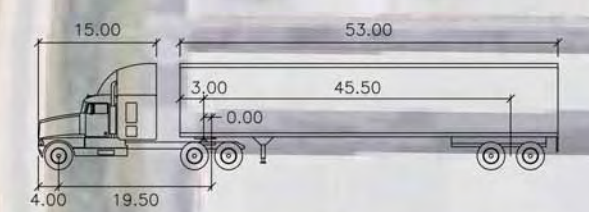
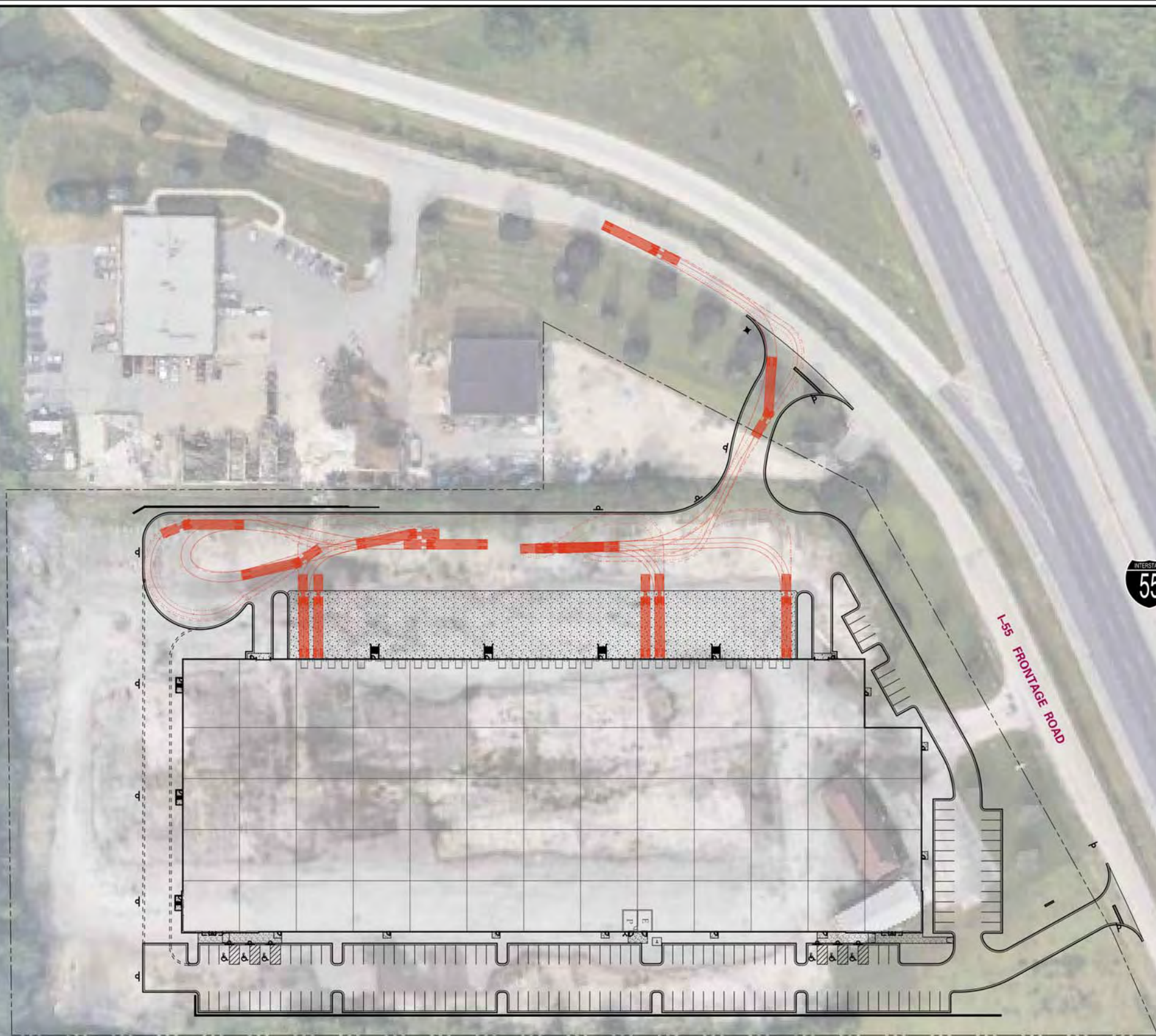
$$305 = 1.47 \cdot 40(2.5) + 1.075 \left(\frac{1600}{11.2} \right)$$



POSTED SPEED LIMIT = 35 MPH
 DESIGN SPEED = 40 MPH



Exhibits
Truck-Turns
South Frontage Road – Road Improvements



WB-67

feet	
Tractor Width	: 8.00
Trailer Width	: 8.50
Tractor Track	: 8.00
Trailer Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 28.4
Articulating Angle	: 75.0

VEHICLE ENVELOPES

- - - - - FRONT TIRE PATH
- - - - - REAR TIRE PATH
- - - - - VEHICLE BODY ENVELOPE

NO.	DATE	REMARKS

NO.	DATE	REMARKS

TRUCK TURNING EXHIBIT - INGRESS
1035 SOUTH FRONTAGE ROAD
INDUSTRIAL BUILDING
 DARIEN, ILLINOIS

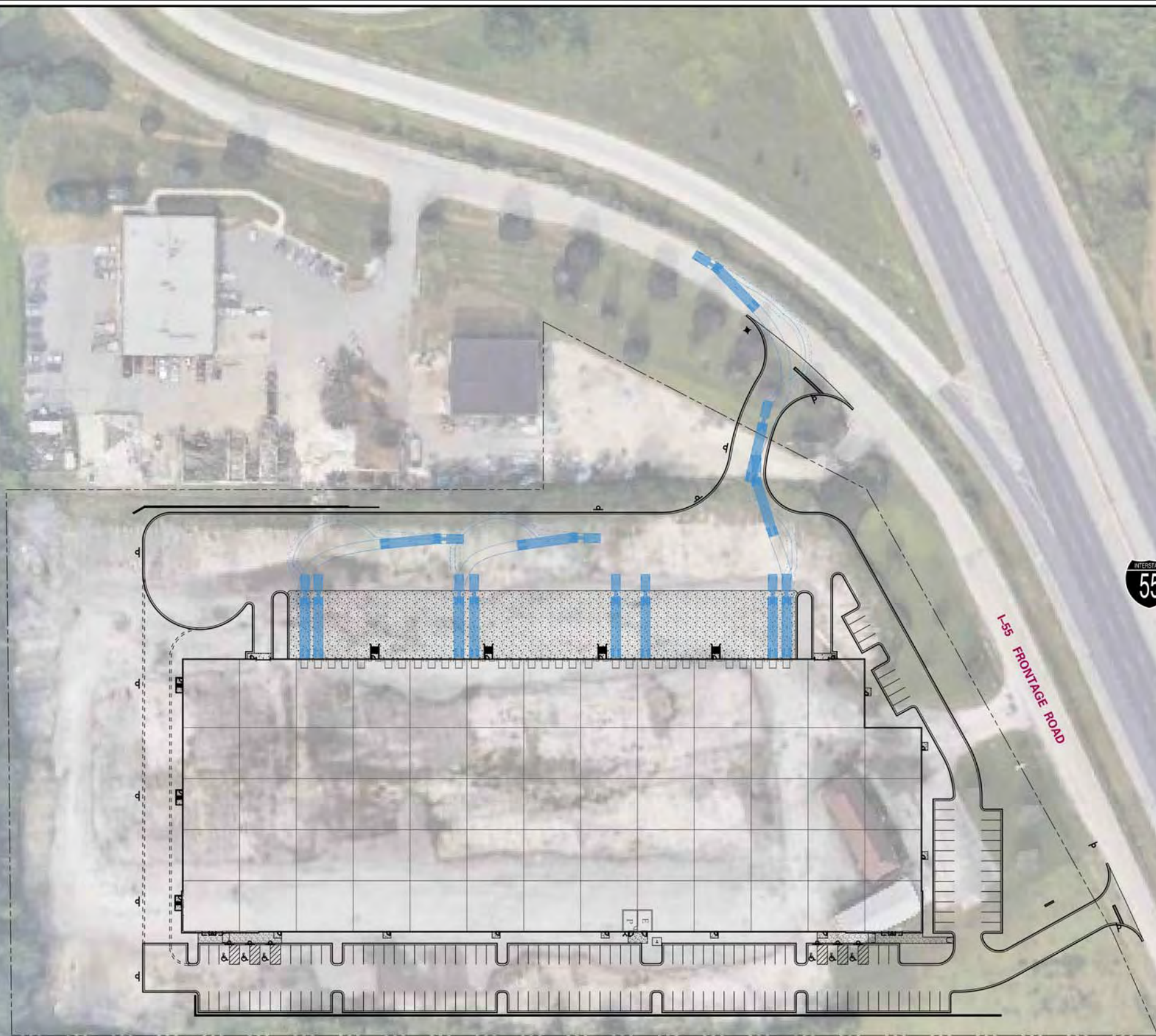
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

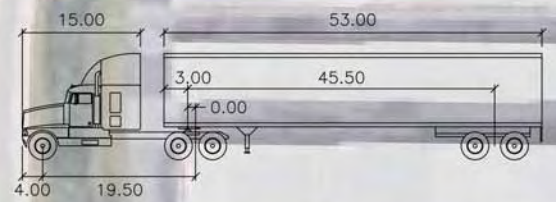


FILENAME: 8552_04EXH-ROAD
DATE: 08/15/18
JOB NO. 8552_04
SHEET TT1
1 OF 2

N:\Projects\8552\8552_04-sterling bay\EXHIBITS\8552_04EXH-TRUCK TURN.dgn Default User: advinagrata



SCALE 1" = 50'
0 50 100



WB-67

feet	
Tractor Width	: 8.00
Trailer Width	: 8.50
Tractor Track	: 8.00
Trailer Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 28.4
Articulating Angle	: 75.0

VEHICLE ENVELOPES

- FRONT TIRE PATH
- REAR TIRE PATH
- VEHICLE BODY ENVELOPE

NO.	DATE	REMARKS

NO.	DATE	REMARKS

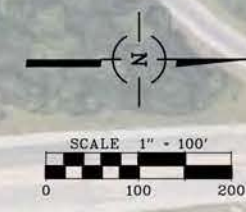
TRUCK TURNING EXHIBIT - EGRESS
1035 SOUTH FRONTAGE ROAD
INDUSTRIAL BUILDING
 DARIEN, ILLINOIS

CONSULTING ENGINEERS
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FILENAME: 8552_04EXH-ROAD
DATE: 07/13/18
JOB NO. 8552_04
SHEET TT2
2 OF 2

N:\Projects\8552\8552_04-sterling bay\EXHIBITS\8552_04EXH-TRUCK TURN.dgn TRUCK EXH-EGRESS User: advinagracia



CASS AVENUE

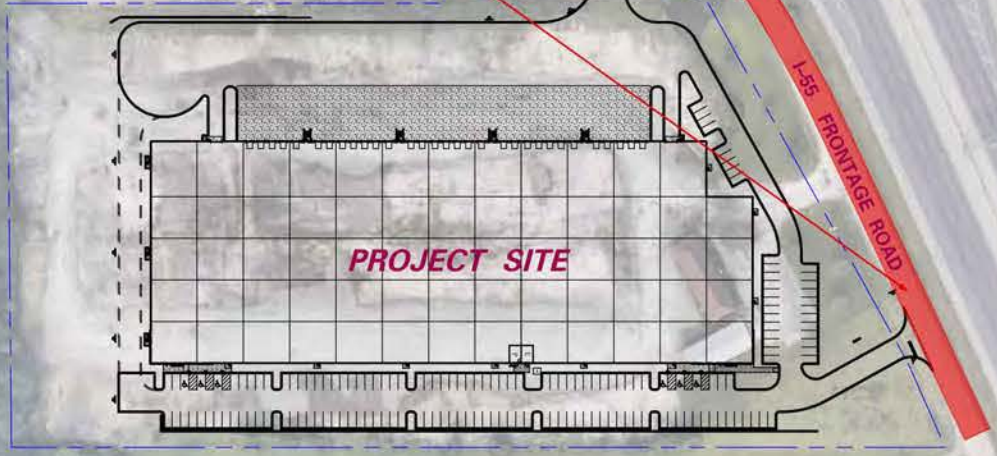
I-55 FRONTAGE ROAD



RESTRIPE CENTERLINE AND LANE EDGE LINES

2" GRIND AND OVERLAY ACROSS SITE FRONTAGE. RESTRIPE CENTERLINE AND LANE EDGE LINES.

STOP SIGN AND TRUCKS NO RIGHT TURN SIGN



NO.	DATE	REMARKS

NO.	DATE	REMARKS

ROAD IMPROVEMENT EXHIBIT
1035 SOUTH FRONTAGE ROAD
INDUSTRIAL BUILDING
 DARIEN, ILLINOIS

CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 200
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065



FILENAME:
8552_04EXH-ROAD-MP
 DATE:
08/15/18
 JOB NO.
8552_04

SHEET
RIE
 1 OF 1

Traffic Count Summary Sheets



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Cass Avenue with Frontage Road
Site Code:
Start Date: 06/07/2018
Page No: 1

Turning Movement Data

Start Time	Frontage Road Eastbound					Frontage Road Westbound					Cass Avenue Northbound					Cass Avenue Southbound										
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total	
6:00 AM	0	9	3	5	0	17	0	4	1	1	0	6	0	5	44	0	0	0	49	1	11	52	4	0	68	140
6:15 AM	0	14	2	5	0	21	0	2	0	7	0	9	0	6	60	4	0	70	1	14	72	6	0	93	193	
6:30 AM	0	12	2	10	0	24	0	0	2	5	0	7	0	5	87	4	0	96	0	12	107	8	0	127	254	
6:45 AM	0	14	1	3	0	18	0	0	1	14	0	15	0	5	77	0	0	82	1	18	107	13	0	139	254	
Hourly Total	0	49	8	23	0	80	0	6	4	27	0	37	0	21	268	8	0	297	3	55	338	31	0	427	841	
7:00 AM	0	16	2	4	0	22	0	2	1	9	0	12	0	5	109	0	0	114	1	5	113	12	0	131	279	
7:15 AM	0	12	2	12	0	26	0	2	0	14	0	16	0	5	109	1	0	115	0	5	120	22	0	147	304	
7:30 AM	0	19	2	15	0	36	0	2	0	10	0	12	0	7	117	2	0	126	0	3	129	20	0	152	326	
7:45 AM	0	19	5	11	0	35	0	0	4	13	0	17	0	7	115	0	0	122	1	7	154	17	0	179	353	
Hourly Total	0	66	11	42	0	119	0	6	5	46	0	57	0	24	450	3	0	477	2	20	516	71	0	609	1262	
8:00 AM	0	12	0	9	0	21	0	1	0	10	0	11	0	4	106	2	0	112	0	9	149	21	0	179	323	
8:15 AM	0	10	3	4	1	17	0	0	2	6	0	8	0	2	105	0	0	107	1	3	196	16	0	216	348	
8:30 AM	0	14	1	2	0	17	0	2	0	5	0	7	0	3	108	1	0	112	0	1	195	14	0	210	346	
8:45 AM	0	11	0	4	0	15	0	1	1	7	0	9	0	6	85	1	0	92	0	4	164	16	0	184	300	
Hourly Total	0	47	4	19	1	70	0	4	3	28	0	35	0	15	404	4	0	423	1	17	704	67	0	789	1317	
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3:00 PM	0	31	9	23	0	63	0	0	2	10	0	12	0	4	126	0	0	130	1	6	124	8	0	139	344	
3:15 PM	0	25	19	33	0	77	0	0	1	12	0	13	0	3	146	0	0	149	1	4	97	11	0	113	352	
3:30 PM	0	29	9	37	0	75	0	1	2	11	0	14	0	2	186	1	0	189	1	8	122	10	0	141	419	
3:45 PM	0	59	22	53	0	134	0	0	3	6	0	9	0	3	127	1	0	131	0	13	138	6	0	157	431	
Hourly Total	0	144	59	146	0	349	0	1	8	39	0	48	0	12	585	2	0	599	3	31	481	35	0	550	1546	
4:00 PM	0	25	14	28	0	67	0	0	1	8	0	9	0	3	156	0	0	159	1	7	139	15	0	162	397	
4:15 PM	0	31	8	26	0	65	0	0	1	7	0	8	0	9	154	4	0	167	2	7	122	5	0	136	376	
4:30 PM	0	21	5	26	0	52	1	0	0	3	0	4	0	4	182	1	0	187	2	8	142	11	0	163	406	
4:45 PM	0	27	10	29	0	66	0	0	4	3	0	7	0	11	176	2	0	189	2	9	145	10	0	166	428	
Hourly Total	0	104	37	109	0	250	1	0	6	21	0	28	0	27	668	7	0	702	7	31	548	41	0	627	1607	
5:00 PM	0	26	13	22	0	61	0	1	1	4	0	6	0	9	199	1	0	209	3	12	154	18	0	187	463	
5:15 PM	0	25	14	20	0	59	0	1	4	7	0	12	0	9	198	3	0	210	0	8	172	16	0	196	477	
5:30 PM	0	19	6	16	0	41	0	0	3	5	0	8	0	7	220	4	0	231	3	6	140	15	0	164	444	
5:45 PM	0	13	3	9	0	25	0	0	2	7	0	9	0	5	181	0	0	186	0	10	142	12	0	164	384	
Hourly Total	0	83	36	67	0	186	0	2	10	23	0	35	0	30	798	8	0	836	6	36	608	61	0	711	1768	
Grand Total	0	493	155	406	1	1054	1	19	36	184	0	240	0	129	3173	32	0	3334	22	190	3195	306	0	3713	8341	
Approach %	0.0	46.8	14.7	38.5	-	-	0.4	7.9	15.0	76.7	-	-	0.0	3.9	95.2	1.0	-	-	0.6	5.1	86.0	8.2	-	-	-	
Total %	0.0	5.9	1.9	4.9	-	12.6	0.0	0.2	0.4	2.2	-	2.9	0.0	1.5	38.0	0.4	-	40.0	0.3	2.3	38.3	3.7	-	44.5	-	
Lights	0	479	150	391	-	1020	1	7	32	162	-	202	0	122	3095	10	-	3227	22	175	3072	292	-	3561	8010	
% Lights	-	97.2	96.8	96.3	-	96.8	100.0	36.8	88.9	88.0	-	84.2	-	94.6	97.5	31.3	-	96.8	100.0	92.1	96.2	95.4	-	95.9	96.0	
Buses	0	1	0	1	-	2	0	0	0	0	-	0	0	0	7	0	-	7	0	0	11	0	-	11	20	

% Buses	-	0.2	0.0	0.2	-	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-	0.3	0.2	
Single-Unit Trucks	0	8	1	14	-	23	0	3	1	15	-	19	0	5	78	6	89
% Single-Unit Trucks	-	1.6	0.6	3.4	-	2.2	0.0	15.8	2.8	8.2	-	7.9	-	3.9	2.4	2.0	2.4
Articulated Trucks	0	3	0	0	-	3	0	0	1	7	-	8	0	0	28	2	30
% Articulated Trucks	-	0.6	0.0	0.0	-	0.3	0.0	0.0	2.8	3.8	-	3.3	-	0.0	0.9	6.3	0.9
Bicycles on Road	0	2	4	0	-	6	0	9	2	0	-	11	0	2	2	16	20
% Bicycles on Road	-	0.4	2.6	0.0	-	0.6	0.0	47.4	5.6	0.0	-	4.6	-	1.6	0.1	50.0	0.6
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Cass Avenue with Frontage Road
Site Code:
Start Date: 06/07/2018
Page No.: 3

Turning Movement Peak Hour Data (7:45 AM)

Start Time	Frontage Road Eastbound					Frontage Road Westbound					Cass Avenue Northbound					Cass Avenue Southbound										
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total	
7:45 AM	0	19	5	11	0	35	0	0	4	13	0	17	0	7	115	0	0	0	122	1	7	154	17	0	179	353
8:00 AM	0	12	0	9	0	21	0	1	0	10	0	11	0	4	106	2	0	0	112	0	9	149	21	0	179	323
8:15 AM	0	10	3	4	1	17	0	0	2	6	0	8	0	2	105	0	0	0	107	1	3	196	16	0	216	348
8:30 AM	0	14	1	2	0	17	0	2	0	5	0	7	0	3	108	1	0	0	112	0	1	195	14	0	210	346
Total	0	55	9	26	1	90	0	3	6	34	0	43	0	16	434	3	0	0	453	2	20	694	68	0	784	1370
Approach %	0.0	61.1	10.0	28.9	-	-	0.0	7.0	14.0	79.1	-	-	0.0	3.5	95.8	0.7	-	-	-	0.3	2.6	88.5	8.7	-	-	-
Total %	0.0	4.0	0.7	1.9	-	6.6	0.0	0.2	0.4	2.5	-	3.1	0.0	1.2	31.7	0.2	-	-	33.1	0.1	1.5	50.7	5.0	-	57.2	-
PHF	0.000	0.724	0.450	0.591	-	0.643	0.000	0.375	0.375	0.654	-	0.632	0.000	0.571	0.943	0.375	-	-	0.928	0.500	0.556	0.885	0.810	-	0.907	0.970
Lights	0	54	9	25	-	88	0	3	4	30	-	37	0	14	411	0	-	-	425	2	18	673	64	-	757	1307
% Lights	-	98.2	100.0	96.2	-	97.8	-	100.0	66.7	88.2	-	86.0	-	87.5	94.7	0.0	-	-	93.8	100.0	90.0	97.0	94.1	-	96.6	95.4
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	3	0	-	-	3	0	0	2	0	-	2	5
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.7	0.0	-	-	0.7	0.0	0.0	0.3	0.0	-	0.3	0.4
Single-Unit Trucks	0	0	0	1	-	1	0	0	0	1	-	1	0	2	14	3	-	-	19	0	1	16	3	-	20	41
% Single-Unit Trucks	-	0.0	0.0	3.8	-	1.1	-	0.0	0.0	2.9	-	2.3	-	12.5	3.2	100.0	-	-	4.2	0.0	5.0	2.3	4.4	-	2.6	3.0
Articulated Trucks	0	1	0	0	-	1	0	0	0	3	-	3	0	0	5	0	-	-	5	0	1	3	0	-	4	13
% Articulated Trucks	-	1.8	0.0	0.0	-	1.1	-	0.0	0.0	8.8	-	7.0	-	0.0	1.2	0.0	-	-	1.1	0.0	5.0	0.4	0.0	-	0.5	0.9
Bicycles on Road	0	0	0	0	-	0	0	0	2	0	-	2	0	0	1	0	-	-	1	0	0	0	1	-	1	4
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	33.3	0.0	-	4.7	-	0.0	0.2	0.0	-	-	0.2	0.0	0.0	0.0	1.5	-	0.1	0.3
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Cass Avenue with Frontage Road
Site Code:
Start Date: 06/07/2018
Page No.: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Frontage Road Eastbound					Frontage Road Westbound					Cass Avenue Northbound					Cass Avenue Southbound									
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
4:45 PM	0	27	10	29	0	66	0	0	4	3	0	7	0	11	176	2	0	189	2	9	145	10	0	166	428
5:00 PM	0	26	13	22	0	61	0	1	1	4	0	6	0	9	199	1	0	209	3	12	154	18	0	187	463
5:15 PM	0	25	14	20	0	59	0	1	4	7	0	12	0	9	198	3	0	210	0	8	172	16	0	196	477
5:30 PM	0	19	6	16	0	41	0	0	3	5	0	8	0	7	220	4	0	231	3	6	140	15	0	164	444
Total	0	97	43	87	0	227	0	2	12	19	0	33	0	36	793	10	0	839	8	35	611	59	0	713	1812
Approach %	0.0	42.7	18.9	38.3	-	-	0.0	6.1	36.4	57.6	-	-	0.0	4.3	94.5	1.2	-	-	1.1	4.9	85.7	8.3	-	-	-
Total %	0.0	5.4	2.4	4.8	-	12.5	0.0	0.1	0.7	1.0	-	1.8	0.0	2.0	43.8	0.6	-	46.3	0.4	1.9	33.7	3.3	-	39.3	-
PHF	0.000	0.898	0.768	0.750	-	0.860	0.000	0.500	0.750	0.679	-	0.688	0.000	0.818	0.901	0.625	-	0.908	0.667	0.729	0.888	0.819	-	0.909	0.950
Lights	0	93	41	86	-	220	0	1	12	19	-	32	0	36	785	6	-	827	8	32	594	57	-	691	1770
% Lights	-	95.9	95.3	98.9	-	96.9	-	50.0	100.0	100.0	-	97.0	-	100.0	99.0	60.0	-	98.6	100.0	91.4	97.2	96.6	-	96.9	97.7
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	2	0	-	2	0	0	1	0	-	1	3
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.3	0.0	-	0.2	0.0	0.0	0.2	0.0	-	0.1	0.2
Single-Unit Trucks	0	2	1	1	-	4	0	0	0	0	-	0	0	0	3	0	-	3	0	0	6	1	-	7	14
% Single-Unit Trucks	-	2.1	2.3	1.1	-	1.8	-	0.0	0.0	0.0	-	0.0	-	0.0	0.4	0.0	-	0.4	0.0	0.0	1.0	1.7	-	1.0	0.8
Articulated Trucks	0	0	0	0	-	0	0	0	0	0	-	0	0	0	3	0	-	3	0	3	10	0	-	13	16
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.4	0.0	-	0.4	0.0	0.0	1.6	0.0	-	1.8	0.9
Bicycles on Road	0	2	1	0	-	3	0	1	0	0	-	1	0	0	0	4	-	4	0	0	0	1	-	1	9
% Bicycles on Road	-	2.1	2.3	0.0	-	1.3	-	50.0	0.0	0.0	-	3.0	-	0.0	0.0	40.0	-	0.5	0.0	0.0	0.0	1.7	-	0.1	0.5
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Cass Avenue with Northgate Road
Site Code:
Start Date: 06/07/2018
Page No.: 1

Turning Movement Data

Start Time	Northgate Road Eastbound				Cass Avenue Northbound				Cass Avenue Southbound							
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Thru	Right	Peds	App. Total	Int. Total
6:00 AM	0	2	0	0	2	0	3	43	0	46	0	46	19	0	65	113
6:15 AM	0	4	0	0	4	0	5	65	0	70	0	47	33	0	80	154
6:30 AM	0	3	1	0	4	0	5	88	0	93	0	70	41	0	111	208
6:45 AM	0	5	3	0	8	1	4	74	0	79	0	67	50	0	117	204
Hourly Total	0	14	4	0	18	1	17	270	0	288	0	230	143	0	373	679
7:00 AM	0	4	0	0	4	0	2	106	0	108	0	66	52	0	118	230
7:15 AM	0	4	1	0	5	0	4	117	0	121	0	82	48	0	130	256
7:30 AM	0	4	1	0	5	0	9	125	0	134	0	89	58	0	147	286
7:45 AM	0	10	1	0	11	0	7	112	0	119	0	72	90	0	162	292
Hourly Total	0	22	3	0	25	0	22	460	0	482	0	309	248	0	557	1064
8:00 AM	0	8	1	0	9	0	7	103	0	110	0	69	94	0	163	282
8:15 AM	0	5	1	0	6	0	10	100	0	110	0	73	119	0	192	308
8:30 AM	0	8	3	0	11	0	11	109	0	120	0	79	126	0	205	336
8:45 AM	0	5	1	0	6	0	9	85	0	94	0	66	105	0	171	271
Hourly Total	0	26	6	0	32	0	37	397	0	434	0	287	444	0	731	1197
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	31	6	0	37	0	2	87	0	89	0	140	7	0	147	273
3:15 PM	1	42	4	0	47	0	5	98	0	103	0	120	5	0	125	275
3:30 PM	0	59	6	0	65	0	2	117	0	119	0	153	7	0	160	344
3:45 PM	0	34	2	0	36	1	2	91	0	94	0	183	5	0	188	318
Hourly Total	1	166	18	0	185	1	11	393	0	405	0	596	24	0	620	1210
4:00 PM	0	50	9	0	59	0	3	107	0	110	0	165	7	0	172	341
4:15 PM	0	52	3	0	55	0	0	109	0	109	0	142	8	0	150	314
4:30 PM	0	71	6	0	77	0	1	111	0	112	0	156	10	0	166	355
4:45 PM	0	63	5	0	68	0	0	117	0	117	0	161	12	0	173	358
Hourly Total	0	236	23	0	259	0	4	444	0	448	0	624	37	0	661	1368
5:00 PM	0	86	18	0	104	0	1	127	0	128	0	165	9	0	174	406
5:15 PM	0	74	25	0	99	0	1	136	0	137	0	181	16	0	197	433
5:30 PM	0	75	18	0	93	0	1	145	0	146	0	150	5	0	155	394
5:45 PM	0	61	9	0	70	0	1	114	0	115	0	143	10	0	153	338
Hourly Total	0	296	70	0	366	0	4	522	0	526	0	639	40	0	679	1571
Grand Total	1	760	124	0	885	2	95	2486	0	2583	0	2685	936	0	3621	7089
Approach %	0.1	85.9	14.0	-	-	0.1	3.7	96.2	-	-	0.0	74.2	25.8	-	-	-
Total %	0.0	10.7	1.7	-	12.5	0.0	1.3	35.1	-	36.4	0.0	37.9	13.2	-	51.1	-
Lights	1	744	122	-	867	2	91	2409	-	2502	0	2576	916	-	3492	6861
% Lights	100.0	97.9	98.4	-	98.0	100.0	95.8	96.9	-	96.9	-	95.9	97.9	-	96.4	96.8
Buses	0	4	0	-	4	0	0	5	-	5	0	6	6	-	12	21
% Buses	0.0	0.5	0.0	-	0.5	0.0	0.0	0.2	-	0.2	-	0.2	0.6	-	0.3	0.3

Single-Unit Trucks	0	7	0	-	7	0	1	45	-	46	0	65	9	74	127
% Single-Unit Trucks	0.0	0.9	0.0	-	0.8	0.0	1.1	1.8	-	1.8	-	2.4	1.0	2.0	1.8
Articulated Trucks	0	0	1	-	1	0	1	18	-	19	0	35	2	37	57
% Articulated Trucks	0.0	0.0	0.8	-	0.1	0.0	1.1	0.7	-	0.7	-	1.3	0.2	1.0	0.8
Bicycles on Road	0	5	1	-	6	0	2	9	-	11	0	3	3	6	23
% Bicycles on Road	0.0	0.7	0.8	-	0.7	0.0	2.1	0.4	-	0.4	-	0.1	0.3	0.2	0.3
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Cass Avenue with Northgate Road
Site Code:
Start Date: 06/07/2018
Page No.: 3

Turning Movement Peak Hour Data (7:45 AM)

Start Time	Northgate Road Eastbound				Cass Avenue Northbound				Cass Avenue Southbound							
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Thru	Right	Peds	App. Total	Int. Total
7:45 AM	0	10	1	0	11	0	7	112	0	119	0	72	90	0	162	292
8:00 AM	0	8	1	0	9	0	7	103	0	110	0	69	94	0	163	282
8:15 AM	0	5	1	0	6	0	10	100	0	110	0	73	119	0	192	308
8:30 AM	0	8	3	0	11	0	11	109	0	120	0	79	126	0	205	336
Total	0	31	6	0	37	0	35	424	0	459	0	293	429	0	722	1218
Approach %	0.0	83.8	16.2	-	-	0.0	7.6	92.4	-	-	0.0	40.6	59.4	-	-	-
Total %	0.0	2.5	0.5	-	3.0	0.0	2.9	34.8	-	37.7	0.0	24.1	35.2	-	59.3	-
PHF	0.000	0.775	0.500	-	0.841	0.000	0.795	0.946	-	0.956	0.000	0.927	0.851	-	0.880	0.906
Lights	0	25	5	-	30	0	33	401	-	434	0	274	421	-	695	1159
% Lights	-	80.6	83.3	-	81.1	-	94.3	94.6	-	94.6	-	93.5	98.1	-	96.3	95.2
Buses	0	2	0	-	2	0	0	1	-	1	0	0	2	-	2	5
% Buses	-	6.5	0.0	-	5.4	-	0.0	0.2	-	0.2	-	0.0	0.5	-	0.3	0.4
Single-Unit Trucks	0	4	0	-	4	0	1	19	-	20	0	13	4	-	17	41
% Single-Unit Trucks	-	12.9	0.0	-	10.8	-	2.9	4.5	-	4.4	-	4.4	0.9	-	2.4	3.4
Articulated Trucks	0	0	1	-	1	0	0	3	-	3	0	5	1	-	6	10
% Articulated Trucks	-	0.0	16.7	-	2.7	-	0.0	0.7	-	0.7	-	1.7	0.2	-	0.8	0.8
Bicycles on Road	0	0	0	-	0	0	1	0	-	1	0	1	1	-	2	3
% Bicycles on Road	-	0.0	0.0	-	0.0	-	2.9	0.0	-	0.2	-	0.3	0.2	-	0.3	0.2
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
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Count Name: Cass Avenue with Northgate Road
Site Code:
Start Date: 06/07/2018
Page No: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Northgate Road Eastbound					Cass Avenue Northbound					Cass Avenue Southbound					
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Thru	Right	Peds	App. Total	Int. Total
4:45 PM	0	63	5	0	68	0	0	117	0	117	0	161	12	0	173	358
5:00 PM	0	86	18	0	104	0	1	127	0	128	0	165	9	0	174	406
5:15 PM	0	74	25	0	99	0	1	136	0	137	0	181	16	0	197	433
5:30 PM	0	75	18	0	93	0	1	145	0	146	0	150	5	0	155	394
Total	0	298	66	0	364	0	3	525	0	528	0	657	42	0	699	1591
Approach %	0.0	81.9	18.1	-	-	0.0	0.6	99.4	-	-	0.0	94.0	6.0	-	-	-
Total %	0.0	18.7	4.1	-	22.9	0.0	0.2	33.0	-	33.2	0.0	41.3	2.6	-	43.9	-
PHF	0.000	0.866	0.680	-	0.875	0.000	0.750	0.905	-	0.904	0.000	0.907	0.656	-	0.887	0.919
Lights	0	295	65	-	360	0	2	519	-	521	0	642	40	-	682	1563
% Lights	-	99.0	98.5	-	98.9	-	66.7	98.9	-	98.7	-	97.7	95.2	-	97.6	98.2
Buses	0	2	0	-	2	0	0	0	-	0	0	0	1	-	1	3
% Buses	-	0.7	0.0	-	0.5	-	0.0	0.0	-	0.0	-	0.0	2.4	-	0.1	0.2
Single-Unit Trucks	0	0	0	-	0	0	0	3	-	3	0	6	0	-	6	9
% Single-Unit Trucks	-	0.0	0.0	-	0.0	-	0.0	0.6	-	0.6	-	0.9	0.0	-	0.9	0.6
Articulated Trucks	0	0	0	-	0	0	1	3	-	4	0	8	1	-	9	13
% Articulated Trucks	-	0.0	0.0	-	0.0	-	33.3	0.6	-	0.8	-	1.2	2.4	-	1.3	0.8
Bicycles on Road	0	1	1	-	2	0	0	0	-	0	0	1	0	-	1	3
% Bicycles on Road	-	0.3	1.5	-	0.5	-	0.0	0.0	-	0.0	-	0.2	0.0	-	0.1	0.2
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
 9575 W. Higgins Rd., Suite 400
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Count Name: I-55 Off Ramp
 Site Code:
 Start Date: 06/07/2018
 Page No: 1

Direction (Southbound)

Start Time	Lights	Buses	Single-Unit Trucks	Articulated Trucks	Bicycles on Road	Total
6:00 AM	19	0	0	0	0	19
6:15 AM	25	0	0	0	0	25
6:30 AM	19	0	2	0	0	21
6:45 AM	23	0	0	0	0	23
7:00 AM	25	0	0	0	0	25
7:15 AM	25	0	0	0	0	25
7:30 AM	26	0	2	0	0	28
7:45 AM	23	1	1	0	0	25
8:00 AM	30	0	3	0	0	33
8:15 AM	41	0	1	0	0	42
8:30 AM	31	1	1	0	0	33
8:45 AM	40	0	1	0	0	41
3:00 PM	31	0	0	2	0	33
3:15 PM	27	0	3	0	0	30
3:30 PM	26	0	3	3	0	32
3:45 PM	22	0	2	0	0	24
4:00 PM	23	0	2	1	0	26
4:15 PM	34	0	1	0	0	35
4:30 PM	32	1	1	0	0	34
4:45 PM	31	0	2	0	0	33
5:00 PM	34	0	3	2	0	39
5:15 PM	32	0	1	3	0	36
5:30 PM	35	0	3	0	0	38
5:45 PM	43	0	2	0	0	45
Total	697	3	34	11	0	745
Total %	93.6	0.4	4.6	1.5	0.0	100.0
AM Times	8:00 AM	7:45 AM	7:30 AM	6:00 AM	6:00 AM	8:00 AM
AM Peaks	142	2	7	0	0	149
PM Times	5:00 PM	3:45 PM	3:15 PM	3:00 PM	3:00 PM	5:00 PM
PM Peaks	144	1	10	5	0	158



Kenig Lindgren O'Hara Aboona, Inc.
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Count Name: Clarendon Hills Road with Fern
Street
Site Code:
Start Date: 06/07/2018
Page No.: 1

Turning Movement Data

Start Time	Fern Street Eastbound				Fern Street Westbound				Clarendon Hills Road Northbound				Clarendon Hills Road Southbound					
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total
6:00 AM	0	1	0	0	0	1	0	0	1	1	0	2	0	0	8	2	0	10
6:15 AM	0	7	2	0	0	9	0	0	2	3	2	5	0	3	13	0	0	16
6:30 AM	0	2	8	0	0	10	0	0	4	1	0	5	0	1	15	0	0	16
6:45 AM	0	1	0	0	0	1	0	0	4	9	0	13	0	1	14	2	0	17
Hourly Total	0	11	10	0	0	21	0	0	11	14	2	25	0	5	50	4	0	59
7:00 AM	0	1	4	0	0	5	0	1	1	8	0	10	0	1	22	3	0	26
7:15 AM	0	5	2	1	0	8	0	0	1	2	0	3	0	1	26	2	0	29
7:30 AM	0	5	3	0	0	8	0	1	2	12	0	15	0	0	23	0	0	23
7:45 AM	3	2	3	4	0	12	0	0	5	7	0	12	0	0	21	0	0	21
Hourly Total	3	13	12	5	0	33	0	2	9	29	0	40	0	2	92	5	0	99
8:00 AM	0	7	3	2	0	12	0	0	2	7	0	9	0	0	28	0	0	28
8:15 AM	0	4	2	0	0	6	0	0	0	9	0	9	0	0	21	0	0	21
8:30 AM	0	3	1	0	0	4	0	1	2	7	0	10	0	1	29	0	0	30
8:45 AM	0	6	1	0	0	7	0	1	3	11	0	15	0	1	28	2	0	31
Hourly Total	0	20	7	2	0	29	0	2	7	34	0	43	0	2	106	2	0	110
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	4	9	4	0	17	0	1	2	5	0	8	0	1	24	1	0	26
3:15 PM	0	4	10	4	0	18	0	0	0	9	0	9	0	0	14	0	0	14
3:30 PM	0	7	8	4	0	19	0	0	2	6	0	8	0	0	19	1	0	20
3:45 PM	0	8	21	0	0	29	0	0	4	14	1	18	0	1	25	0	0	26
Hourly Total	0	23	48	12	0	83	0	1	8	34	1	43	0	2	82	2	0	86
4:00 PM	0	5	12	3	0	20	0	1	0	8	0	9	0	0	18	1	0	19
4:15 PM	0	8	10	1	0	19	0	2	1	8	0	11	0	0	33	4	0	37
4:30 PM	0	4	6	3	0	13	0	4	2	11	0	17	0	0	29	2	0	31
4:45 PM	0	5	11	4	0	20	0	1	1	13	0	15	0	0	29	1	0	30
Hourly Total	0	22	39	11	0	72	0	8	4	40	0	52	0	0	109	8	0	117
5:00 PM	0	4	17	0	0	21	0	0	5	8	0	13	0	2	29	1	0	32
5:15 PM	0	7	13	2	1	22	0	3	5	14	1	22	0	1	32	2	0	35
5:30 PM	0	6	7	1	1	14	0	0	3	13	0	16	0	0	28	4	0	32
5:45 PM	0	5	2	2	0	9	0	2	5	2	0	9	0	2	28	0	0	30
Hourly Total	0	22	39	5	2	66	0	5	18	37	1	60	0	5	117	7	0	129
Grand Total	3	111	155	35	2	304	0	18	57	188	4	263	0	16	556	28	0	600
Approach %	1.0	36.5	51.0	11.5	-	-	0.0	6.8	21.7	71.5	-	-	0.0	2.7	92.7	4.7	-	-
Total %	0.2	5.6	7.8	1.8	-	15.3	0.0	0.9	2.9	9.5	-	13.2	0.0	0.8	28.0	1.4	-	30.2
Lights	0	96	146	34	-	276	0	17	50	182	-	249	0	15	526	24	-	565
% Lights	0.0	86.5	94.2	97.1	-	90.8	-	94.4	87.7	96.8	-	94.7	-	93.8	94.6	85.7	-	94.2
Buses	0	0	1	0	0	1	0	0	0	2	0	2	0	0	9	1	0	10

% Buses	0.0	0.0	0.6	0.0	-	0.3	-	0.0	0.0	1.1	-	0.8	-	0.0	1.6	3.6	-	1.7	0.0	0.0	0.5	0.0	-	0.4	0.8
Single-Unit Trucks	0	3	0	0	-	3	0	0	3	2	-	5	0	1	10	0	-	11	0	4	14	2	-	20	39
% Single-Unit Trucks	0.0	2.7	0.0	0.0	-	1.0	-	0.0	5.3	1.1	-	1.9	-	6.3	1.8	0.0	-	1.8	0.0	2.5	2.4	2.4	-	2.4	2.0
Articulated Trucks	3	2	0	0	-	5	0	0	0	2	-	2	0	0	2	0	-	2	0	2	1	0	-	3	12
% Articulated Trucks	100.0	1.8	0.0	0.0	-	1.6	-	0.0	0.0	1.1	-	0.8	-	0.0	0.4	0.0	-	0.3	0.0	1.3	0.2	0.0	-	0.4	0.6
Bicycles on Road	0	10	8	1	-	19	0	1	4	0	-	5	0	0	9	3	-	12	0	1	14	9	-	24	60
% Bicycles on Road	0.0	9.0	5.2	2.9	-	6.3	-	5.6	7.0	0.0	-	1.9	-	0.0	1.6	10.7	-	2.0	0.0	0.6	2.4	11.0	-	2.9	3.0
Pedestrians	-	-	-	-	2	-	-	-	-	-	4	-	-	-	-	-	0	-	-	-	-	-	4	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Kenig Lindgren O'Hara Aboona, Inc.
 9575 W. Higgins Rd., Suite 400
 Rosemont, Illinois, United States 60018
 (847)518-9990

Count Name: Clarendon Hills Road with Fern
 Street
 Site Code:
 Start Date: 06/07/2018
 Page No.: 3

Turning Movement Peak Hour Data (7:45 AM)

Start Time	Fern Street Eastbound						Fern Street Westbound						Clarendon Hills Road Northbound						Clarendon Hills Road Southbound							
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total	
7:45 AM	3	2	3	4	0	12	0	0	5	7	0	12	0	0	21	0	0	0	21	0	7	14	2	0	23	68
8:00 AM	0	7	3	2	0	12	0	0	2	7	0	9	0	0	28	0	0	0	28	0	2	16	1	1	20	69
8:15 AM	0	4	2	0	0	6	0	0	0	9	0	9	0	0	21	0	0	0	21	0	3	14	1	0	18	54
8:30 AM	0	3	1	0	0	4	0	1	2	7	0	10	0	1	29	0	0	0	30	0	4	20	3	0	27	71
Total	3	16	9	6	0	34	0	1	9	30	0	40	0	1	99	0	0	100	1	16	64	7	1	88	262	
Approach %	8.8	47.1	26.5	17.6	-	-	0.0	2.5	22.5	75.0	-	-	0.0	1.0	99.0	0.0	-	-	1.1	18.2	72.7	8.0	-	-	-	
Total %	1.1	6.1	3.4	2.3	-	13.0	0.0	0.4	3.4	11.5	-	15.3	0.0	0.4	37.8	0.0	-	38.2	0.4	6.1	24.4	2.7	-	33.6	-	
PHF	0.250	0.571	0.750	0.375	-	0.708	0.000	0.250	0.450	0.833	-	0.833	0.000	0.250	0.853	0.000	-	0.833	0.250	0.571	0.800	0.583	-	0.815	0.923	
Lights	0	16	9	6	0	31	0	1	7	28	0	36	0	1	92	0	0	93	1	15	58	6	0	80	240	
% Lights	0.0	100.0	100.0	100.0	-	91.2	-	100.0	77.8	93.3	-	90.0	-	100.0	92.9	-	-	93.0	100.0	93.8	90.6	85.7	-	90.9	91.6	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	2	0	0	2	6	
% Buses	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	4.0	-	-	4.0	0.0	0.0	3.1	0.0	-	2.3	2.3	
Single-Unit Trucks	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	2	0	1	2	0	0	3	6	
% Single-Unit Trucks	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	3.3	-	2.5	-	0.0	2.0	-	-	2.0	0.0	6.3	3.1	0.0	-	3.4	2.3	
Articulated Trucks	3	0	0	0	0	3	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	5	
% Articulated Trucks	100.0	0.0	0.0	0.0	-	8.8	-	0.0	0.0	3.3	-	2.5	-	0.0	1.0	-	-	1.0	0.0	0.0	0.0	0.0	-	0.0	1.9	
Bicycles on Road	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	1	0	3	5	
% Bicycles on Road	0.0	0.0	0.0	0.0	-	0.0	-	0.0	22.2	0.0	-	5.0	-	0.0	0.0	-	-	0.0	0.0	0.0	3.1	14.3	-	3.4	1.9	
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
% Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	



Kenig Lindgren O'Hara Aboona, Inc.
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Count Name: Clarendon Hills Road with Fern
Street
Site Code:
Start Date: 06/07/2018
Page No.: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Fern Street Eastbound					Fern Street Westbound					Clarendon Hills Road Northbound					Clarendon Hills Road Southbound									
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
4:45 PM	0	5	11	4	0	20	0	1	1	13	0	15	0	0	29	1	0	30	0	16	31	3	1	50	115
5:00 PM	0	4	17	0	0	21	0	0	5	8	0	13	0	2	29	1	0	32	0	11	36	5	0	52	118
5:15 PM	0	7	13	2	1	22	0	3	5	14	1	22	0	1	32	2	0	35	0	8	34	8	2	50	129
5:30 PM	0	6	7	1	1	14	0	0	3	13	0	16	0	0	28	4	0	32	0	10	39	5	0	54	116
Total	0	22	48	7	2	77	0	4	14	48	1	66	0	3	118	8	0	129	0	45	140	21	3	206	478
Approach %	0.0	28.6	62.3	9.1	-	-	0.0	6.1	21.2	72.7	-	-	0.0	2.3	91.5	6.2	-	-	0.0	21.8	68.0	10.2	-	-	-
Total %	0.0	4.6	10.0	1.5	-	16.1	0.0	0.8	2.9	10.0	-	13.8	0.0	0.6	24.7	1.7	-	27.0	0.0	9.4	29.3	4.4	-	43.1	-
PHF	0.000	0.786	0.706	0.438	-	0.875	0.000	0.333	0.700	0.857	-	0.750	0.000	0.375	0.922	0.500	-	0.921	0.000	0.703	0.897	0.656	-	0.954	0.926
Lights	0	18	47	6	71	71	0	4	14	48	66	66	0	3	114	7	124	124	0	42	138	19	199	460	
% Lights	-	81.8	97.9	85.7	-	92.2	-	100.0	100.0	100.0	-	100.0	-	100.0	96.6	87.5	96.1	96.1	-	93.3	98.6	90.5	-	96.6	96.2
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	2	0	0	3	5
% Single-Unit Trucks	-	4.5	0.0	0.0	-	1.3	-	0.0	0.0	0.0	-	0.0	-	0.0	0.8	0.0	0.8	0.8	-	2.2	1.4	0.0	-	1.5	1.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	4.4	0.0	0.0	-	1.0	0.4
Bicycles on Road	0	3	1	1	5	5	0	0	0	0	0	0	0	0	3	1	4	4	0	0	0	2	2	2	11
% Bicycles on Road	-	13.6	2.1	14.3	-	6.5	-	0.0	0.0	0.0	-	0.0	-	0.0	2.5	12.5	3.1	3.1	-	0.0	0.0	9.5	-	1.0	2.3
Pedestrians	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Kenig Lindgren O'Hara Aboona, Inc.
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Count Name: Frontage Road with Fern Street
Site Code:
Start Date: 06/07/2018
Page No.: 1

Turning Movement Data

Start Time	Fern Street Eastbound				Fern Street Westbound				Frontage Road Southbound										
	U-Turn	Left	Thru	Peds	U-Turn	Thru	Right	Peds	U-Turn	Left	Right	Peds	U-Turn	Left	Right	Peds	App. Total	Int. Total	
6:00 AM	0	0	1	0	0	0	5	0	0	0	0	0	0	0	0	0	5	0	6
6:15 AM	0	0	1	0	0	1	5	0	0	0	0	0	0	8	0	0	6	0	15
6:30 AM	0	0	0	0	0	0	5	0	0	0	0	0	0	10	0	0	5	0	15
6:45 AM	0	0	1	0	0	3	6	0	0	0	0	0	0	0	0	0	9	0	10
Hourly Total	0	0	3	0	0	4	21	0	0	0	0	0	0	18	0	0	25	0	46
7:00 AM	0	0	0	0	0	0	4	0	0	0	0	0	0	5	0	0	4	0	9
7:15 AM	0	0	2	0	0	1	3	0	0	0	0	0	0	6	0	0	4	0	12
7:30 AM	0	0	2	0	0	1	5	0	0	0	0	0	0	6	0	0	6	0	14
7:45 AM	0	0	2	0	0	1	6	0	0	1	13	0	0	13	0	0	7	0	23
Hourly Total	0	0	6	0	0	3	18	0	1	30	0	0	1	30	0	0	21	0	58
8:00 AM	0	0	3	0	0	2	2	0	0	0	9	0	0	9	0	0	4	0	16
8:15 AM	0	0	2	0	0	0	1	0	0	0	4	0	0	7	0	0	1	0	7
8:30 AM	0	0	2	0	0	3	2	0	0	2	0	0	0	2	0	0	5	0	4
8:45 AM	0	0	4	0	0	3	7	0	0	3	0	0	0	3	0	0	10	0	9
Hourly Total	0	0	11	0	0	8	12	0	0	18	0	0	0	18	0	0	20	0	49
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	0	1	0	0	2	4	0	0	0	15	0	0	15	0	0	6	0	22
3:15 PM	0	0	1	0	0	3	1	0	0	0	17	0	0	17	0	0	4	0	22
3:30 PM	0	0	2	0	0	0	5	0	0	0	17	0	0	17	0	0	5	0	24
3:45 PM	0	0	1	0	0	1	4	0	0	0	30	0	0	30	0	0	5	0	36
Hourly Total	0	0	5	0	0	6	14	0	0	0	79	0	0	79	0	0	20	0	104
4:00 PM	0	0	2	0	0	2	2	0	0	0	18	0	0	18	0	0	4	0	24
4:15 PM	0	0	2	0	0	3	2	0	0	0	14	0	0	14	0	0	5	0	21
4:30 PM	0	0	1	0	0	4	2	0	0	0	11	0	0	11	0	0	6	0	18
4:45 PM	0	0	0	0	0	0	3	0	0	0	17	0	0	17	0	0	4	0	21
Hourly Total	0	0	5	0	0	9	9	0	0	0	60	0	0	60	0	0	19	0	84
5:00 PM	0	0	6	0	0	6	0	0	0	0	17	0	0	17	0	0	6	0	29
5:15 PM	0	1	2	0	0	9	4	0	0	0	20	0	0	20	0	0	13	0	36
5:30 PM	0	0	1	0	0	5	4	0	0	0	15	0	0	15	0	0	9	0	27
5:45 PM	0	0	5	0	0	6	6	0	0	0	6	0	0	6	0	0	12	0	23
Hourly Total	0	1	14	0	0	26	14	0	0	0	58	0	0	58	0	0	40	0	115
Grand Total	0	1	44	0	0	56	88	0	1	145	1	263	2	263	2	6	145	2	456
Approach %	0.0	2.2	97.8	-	-	0.7	38.6	60.7	-	-	0.4	98.9	0.8	-	-	-	-	-	-
Total %	0.0	0.2	9.6	-	-	0.2	12.3	19.3	-	31.8	0.2	57.7	0.4	-	-	-	58.3	-	-
Lights	0	1	42	-	-	1	51	72	-	124	1	238	1	-	-	-	240	-	407
% Lights	-	100.0	95.5	-	-	100.0	91.1	81.8	-	85.5	100.0	90.5	50.0	-	-	-	90.2	-	89.3
Buses	0	0	0	-	-	0	0	0	-	0	0	0	0	0	0	0	0	0	0
% Buses	-	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	-	0.0	-	0.0

Single-Unit Trucks	0	0	1	1	0	1	6	-	7	0	1	0	-	1	9
% Single-Unit Trucks	-	0.0	2.3	-	2.2	0.0	1.8	6.8	-	4.8	0.0	0.4	-	0.4	2.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	5	1	-	6	6
% Articulated Trucks	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	1.9	50.0	-	2.3	1.3
Bicycles on Road	0	0	1	-	1	0	4	10	14	0	19	0	-	19	34
% Bicycles on Road	-	0.0	2.3	-	2.2	0.0	7.1	11.4	9.7	0.0	7.2	0.0	-	7.1	7.5
Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	6	-
% Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-



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Count Name: Frontage Road with Fern Street
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Start Date: 06/07/2018
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Turning Movement Peak Hour Data (7:45 AM)

Start Time	Fern Street Eastbound				Fern Street Westbound				Frontage Road Southbound							
	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Thru	Right	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	Int. Total
7:45 AM	0	0	2	0	2	0	1	6	0	7	1	13	0	0	14	23
8:00 AM	0	0	3	0	3	0	2	2	0	4	0	9	0	1	9	16
8:15 AM	0	0	2	0	2	0	0	1	0	1	0	4	0	0	4	7
8:30 AM	0	0	2	0	2	0	3	2	0	5	0	2	0	0	2	9
Total	0	0	9	0	9	0	6	11	0	17	1	28	0	1	29	55
Approach %	0.0	0.0	100.0	-	-	0.0	35.3	64.7	-	-	3.4	96.6	0.0	-	-	-
Total %	0.0	0.0	16.4	-	16.4	0.0	10.9	20.0	-	30.9	1.8	50.9	0.0	-	52.7	-
PHF	0.000	0.000	0.750	-	0.750	0.000	0.500	0.458	-	0.607	0.250	0.538	0.000	-	0.518	0.598
Lights	0	0	9	-	9	0	4	9	-	13	1	25	0	-	26	48
% Lights	-	-	100.0	-	100.0	-	66.7	81.8	-	76.5	100.0	89.3	-	-	89.7	87.3
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	0	0	0
% Buses	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	0	0	0
% Single-Unit Trucks	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	3	0	3	3	3
% Articulated Trucks	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0	10.7	-	-	10.3	5.5
Bicycles on Road	0	0	0	-	0	0	2	2	-	4	0	0	0	0	0	4
% Bicycles on Road	-	-	0.0	-	0.0	-	33.3	18.2	-	23.5	0.0	0.0	-	-	0.0	7.3
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



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Count Name: Frontage Road with Fern Street
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Start Date: 06/07/2018
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Turning Movement Peak Hour Data (4:45 PM)

Start Time	Fern Street Eastbound				Fern Street Westbound				Frontage Road Southbound							
	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Right	Thru	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	Int. Total
4:45 PM	0	0	0	0	0	1	0	0	0	4	0	17	0	2	17	21
5:00 PM	0	0	6	0	6	0	6	0	0	6	0	17	0	1	17	29
5:15 PM	0	1	2	0	3	0	9	4	0	13	0	20	0	0	20	36
5:30 PM	0	0	1	0	1	0	5	4	1	9	0	15	2	1	17	27
Total	0	1	9	0	10	1	20	11	1	32	0	69	2	4	71	113
Approach %	0.0	10.0	90.0	-	-	3.1	62.5	34.4	-	-	0.0	97.2	2.8	-	-	-
Total %	0.0	0.9	8.0	-	8.8	0.9	17.7	9.7	-	28.3	0.0	61.1	1.8	-	62.8	-
PHF	0.000	0.250	0.375	-	0.417	0.250	0.556	0.688	-	0.615	0.000	0.863	0.250	-	0.888	0.785
Lights	0	1	8	-	9	1	20	10	-	31	0	66	1	-	67	107
% Lights	-	100.0	88.9	-	90.0	100.0	100.0	90.9	-	96.9	-	95.7	50.0	-	94.4	94.7
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Buses	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	0	1	-	1	0	0	0	-	0	0	0	0	-	0	1
% Single-Unit Trucks	-	0.0	11.1	-	10.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.9
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	1	-	1	1
% Articulated Trucks	-	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	50.0	-	1.4	0.9
Bicycles on Road	0	0	0	-	0	0	0	1	-	1	0	3	0	-	3	4
% Bicycles on Road	-	0.0	0.0	-	0.0	0.0	0.0	9.1	-	3.1	-	4.3	0.0	-	4.2	3.5
Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	4	-	-
% Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-



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Count Name: Frontage Road with Lorraine Drive
Site Code:
Start Date: 06/07/2018
Page No: 1

Turning Movement Data

Start Time	Frontage Road Eastbound				Frontage Road Westbound				Lorraine Drive Northbound					
	U-Turn	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Left	Right	Int. Total
6:00 AM	0	1	0	0	1	0	0	5	0	5	0	0	0	6
6:15 AM	0	9	0	0	9	0	0	5	0	5	0	3	0	17
6:30 AM	0	8	2	0	10	0	0	6	0	6	0	2	0	18
6:45 AM	0	1	1	0	2	0	0	5	0	5	0	1	0	8
Hourly Total	0	19	3	0	22	0	0	21	0	21	0	6	0	49
7:00 AM	0	3	0	0	3	0	0	4	0	4	0	5	0	12
7:15 AM	0	5	2	0	7	0	0	2	0	2	0	0	0	9
7:30 AM	0	6	0	0	6	0	0	4	0	4	0	4	0	14
7:45 AM	0	12	1	0	13	0	0	7	0	7	0	4	0	24
Hourly Total	0	26	3	0	29	0	0	17	0	17	0	13	0	59
8:00 AM	0	5	3	0	8	0	0	2	0	2	0	4	1	15
8:15 AM	0	3	2	0	5	0	0	0	0	0	0	1	0	6
8:30 AM	0	0	0	0	0	0	0	2	0	2	0	6	1	9
8:45 AM	0	2	0	0	2	0	0	6	0	6	0	3	0	11
Hourly Total	0	10	5	0	15	0	0	10	0	10	0	14	2	41
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:30 PM	0	17	3	0	20	0	0	4	0	4	0	3	0	27
3:45 PM	0	30	2	0	32	0	0	4	0	4	0	3	0	39
Hourly Total	0	47	5	0	52	0	0	8	0	8	0	6	0	66
4:00 PM	0	18	1	0	19	0	0	2	0	2	0	1	0	22
4:15 PM	0	14	0	0	14	0	0	2	0	2	0	1	0	17
4:30 PM	0	12	4	0	16	0	0	2	0	2	0	1	0	19
4:45 PM	0	16	2	0	18	0	0	3	0	3	0	2	1	24
Hourly Total	0	60	7	0	67	0	0	9	0	9	0	5	1	82
5:00 PM	0	18	6	0	24	0	0	0	0	0	0	2	0	26
5:15 PM	0	19	5	0	24	0	0	5	0	5	0	7	0	36
5:30 PM	0	14	1	0	15	0	0	2	0	2	0	3	1	21
5:45 PM	0	6	5	0	11	0	0	4	0	4	0	5	0	20
Hourly Total	0	57	17	0	74	0	0	11	0	11	0	17	1	103
6:00 PM	0	7	3	0	10	0	1	5	0	6	0	6	0	22
6:15 PM	0	4	4	0	8	0	0	1	0	1	0	3	0	12
Grand Total	0	230	47	0	277	0	1	82	0	83	0	70	4	434
Approach %	0.0	83.0	17.0	-	-	0.0	1.2	98.8	-	-	0.0	94.6	5.4	-
Total %	0.0	53.0	10.8	-	63.8	0.0	0.2	18.9	-	19.1	0.0	16.1	0.9	17.1
Lights	0	203	46	-	249	0	1	72	-	73	0	66	4	392
% Lights	-	88.3	97.9	-	89.9	-	100.0	87.8	-	88.0	-	94.3	100.0	90.3
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	0
% Buses	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0

Single-Unit Trucks	0	6	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	8
% Single-Unit Trucks	-	2.6	0.0	-	-	2.2	-	2.4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated Trucks	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bicycles on Road	0	21	1	-	-	22	-	8	-	0	4	0	0	0	0	4	0	0	4	34
% Bicycles on Road	-	9.1	2.1	-	-	7.9	-	9.8	-	0.0	9.8	-	9.6	-	5.7	0.0	-	5.4	-	7.8
Pedestrians	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: Frontage Road with Lorraine Drive
Site Code:
Start Date: 06/07/2018
Page No.: 3

Turning Movement Peak Hour Data (7:45 AM)

Start Time	Frontage Road Eastbound				Frontage Road Westbound				Lorraine Drive Northbound							
	U-Turn	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	Int. Total
7:45 AM	0	12	1	0	13	0	0	7	0	7	0	4	0	0	4	24
8:00 AM	0	5	3	0	8	0	0	2	0	2	0	4	1	0	5	15
8:15 AM	0	3	2	0	5	0	0	0	0	0	0	1	0	0	1	6
8:30 AM	0	0	0	0	0	0	0	2	0	2	0	6	1	0	7	9
Total	0	20	6	0	26	0	0	11	0	11	0	15	2	0	17	54
Approach %	0.0	76.9	23.1	-	-	0.0	0.0	100.0	-	-	0.0	88.2	11.8	-	-	-
Total %	0.0	37.0	11.1	-	48.1	0.0	0.0	20.4	-	20.4	0.0	27.8	3.7	-	31.5	-
PHF	0.000	0.417	0.500	-	0.500	0.000	0.000	0.393	-	0.393	0.000	0.625	0.500	-	0.607	0.563
Lights	0	17	6	-	23	0	0	10	-	10	0	13	2	-	15	48
% Lights	-	85.0	100.0	-	88.5	-	-	90.9	-	90.9	-	86.7	100.0	-	88.2	88.9
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Buses	-	0.0	0.0	-	0.0	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	3	0	-	3	0	0	0	-	0	0	0	0	-	0	3
% Single-Unit Trucks	-	15.0	0.0	-	11.5	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	5.6
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	-	0.0	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	0	0	-	0	0	0	1	-	1	0	2	0	-	2	3
% Bicycles on Road	-	0.0	0.0	-	0.0	-	-	9.1	-	9.1	-	13.3	0.0	-	11.8	5.6
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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9575 W. Higgins Rd., Suite 400

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(847)518-9990

Count Name: Frontage Road with Lorraine Drive
Site Code:
Start Date: 06/07/2018
Page No.: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	Frontage Road Eastbound				Frontage Road Westbound				Lorraine Drive Northbound							
	U-Turn	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	Int. Total
4:45 PM	0	16	2	0	18	0	0	3	0	3	0	2	1	0	3	24
5:00 PM	0	18	6	0	24	0	0	0	0	0	0	2	0	0	2	26
5:15 PM	0	19	5	0	24	0	0	5	0	5	0	7	0	0	7	36
5:30 PM	0	14	1	0	15	0	0	2	0	2	0	3	1	0	4	21
Total	0	67	14	0	81	0	0	10	0	10	0	14	2	0	16	107
Approach %	0.0	82.7	17.3	-	-	0.0	0.0	100.0	-	-	0.0	87.5	12.5	-	-	-
Total %	0.0	62.6	13.1	-	75.7	0.0	0.0	9.3	-	9.3	0.0	13.1	1.9	-	15.0	-
PHF	0.000	0.882	0.583	-	0.844	0.000	0.000	0.500	-	0.500	0.000	0.500	0.500	-	0.571	0.743
Lights	0	64	14	-	78	0	0	9	-	9	0	14	2	-	16	103
% Lights	-	95.5	100.0	-	96.3	-	-	90.0	-	90.0	-	100.0	100.0	-	100.0	96.3
Buses	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Buses	-	0.0	0.0	-	0.0	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Single-Unit Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Single-Unit Trucks	-	0.0	0.0	-	0.0	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	-	0.0	-	-	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Bicycles on Road	0	3	0	-	3	0	0	1	-	1	0	0	0	-	0	4
% Bicycles on Road	-	4.5	0.0	-	3.7	-	-	10.0	-	10.0	-	0.0	0.0	-	0.0	3.7
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CMAP Traffic Projection Letter



**Chicago Metropolitan
Agency for Planning**

233 South Wacker Drive
Suite 800
Chicago, Illinois 60606

312 454 0400
www.cmap.illinois.gov

June 27, 2018

William R. Woodward
Senior Consultant
Kenig, Lindgren, O'Hara and Aboona, Inc.
9575 West Higgins Road
Suite 400
Rosemont, IL 60018

**Subject: I-55 @ Cass Avenue
IDOT**

Dear Mr. Woodward:

In response to a request made on your behalf and dated June 27, 2018, we have developed year 2040 average daily traffic (ADT) projections for the subject location.

ROAD SEGMENT	Current ADT	Year 2040 ADT
Cass Ave @ I-55 South Frontage Rd	11,100	13,800
South Frontage Rd of I-55 W of Cass Ave	2,200	3,700
South Frontage Rd of I-55 E of Cass Ave	625	1,600
On-Ramp NB Cass Ave to EB I-55	1,300	1,900
Clarendon Hills Rd, @ Fern St	6,450	7,800

Traffic projections are developed using existing ADT data provided in the request letter and the results from the March 2018 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2040 socioeconomic projections and assumes the implementation of the GO TO 2040 Comprehensive Regional Plan for the Northeastern Illinois area. The provision of this data in support of your request does not constitute a CMAP endorsement of the proposed development or any subsequent developments.

If you have any questions, please call me at (312) 386-8806.

Sincerely,

Jose Rodriguez, PTP, AICP
Senior Planner, Research & Analysis

cc: Quigley (IDOT)
S:\AdminGroups\ResearchAnalysis\2018cy_TrafficForecasts\FormLetterC18Q1.docm

Level of Service Criteria

LEVEL OF SERVICE CRITERIA		
Unsignalized Intersections		
Level of Service		Average Control Delay (seconds per vehicle)
A		0 - 10
B		> 10 - 15
C		> 15 - 25
D		> 25 - 35
E		> 35 - 50
F		> 50
Signalized Intersections		
Level of Service	Interpretation	Average Control Delay (seconds per vehicle)
A	Favorable progression. Most vehicles arrive during the green indication and travel through the intersection without stopping.	≤ 10
B	Good progression, with more vehicles stopping than for Level of Service A.	> 10 - 20
C	Individual cycle failures (i.e. one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear. Number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.	> 20 - 35
D	The volume-to-capacity ratio is high and either progression is ineffective or the cycle length is too long. Many vehicles stop and individual cycle failures are noticeable.	> 35 - 55
E	Progression is unfavorable. The volume-to-capacity ratio is high and the cycle length is long. Individual cycle failures are frequent.	> 55 - 80
F	The volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.	> 80



















Source: *Highway Capacity Manual, 2010.*

Capacity Analysis

HCM Unsignalized Intersection Capacity Analysis

1: Cass Ave & S Frontage Rd

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	55	9	26	3	6	34	16	434	3	22	694	68
Future Volume (Veh/h)	55	9	26	3	6	34	16	434	3	22	694	68
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Hourly flow rate (vph)	57	9	27	3	6	35	16	447	3	23	715	70
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								TWLTL				None
Median storage (veh)								2				
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1090	1278	392	916	1312	225	785			450		
vC1, stage 1 conf vol	796	796		480	480							
vC2, stage 2 conf vol	294	482		435	831							
vCu, unblocked vol	1090	1278	392	916	1312	225	785			450		
tC, single (s)	7.5	6.5	7.0	7.5	7.2	7.1	4.3			4.3		
tC, 2 stage (s)	6.5	5.5		6.5	6.2							
tF (s)	3.5	4.0	3.3	3.5	4.3	3.4	2.3			2.3		
p0 queue free %	82	97	96	99	98	95	98			98		
cM capacity (veh/h)	312	338	601	406	262	748	767			1052		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3				
Volume Total	93	44	16	298	152	23	477	308				
Volume Left	57	3	16	0	0	23	0	0				
Volume Right	27	35	0	0	3	0	0	70				
cSH	366	571	767	1700	1700	1052	1700	1700				
Volume to Capacity	0.25	0.08	0.02	0.18	0.09	0.02	0.28	0.18				
Queue Length 95th (ft)	25	6	2	0	0	2	0	0				
Control Delay (s)	18.2	11.8	9.8	0.0	0.0	8.5	0.0	0.0				
Lane LOS	C	B	A			A						
Approach Delay (s)	18.2	11.8	0.3			0.2						
Approach LOS	C	B										
Intersection Summary												
Average Delay			1.8									
Intersection Capacity Utilization			39.8%		ICU Level of Service				A			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis 2: Cass Ave & Northgate Rd

07/03/2018









Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations							
Traffic Volume (veh/h)	31	6	35	422	294	429	
Future Volume (Veh/h)	31	6	35	422	294	429	
Sign Control	Stop			Free	Free		
Grade	0%			0%	0%		
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	
Hourly flow rate (vph)	34	7	38	464	323	471	
Pedestrians							
Lane Width (ft)							
Walking Speed (ft/s)							
Percent Blockage							
Right turn flare (veh)							
Median type				None	TWLTL		
Median storage (veh)					2		
Upstream signal (ft)							
pX, platoon unblocked							
vC, conflicting volume	866	397	794				
vC1, stage 1 conf vol	558						
vC2, stage 2 conf vol	308						
vCu, unblocked vol	866	397	794				
tC, single (s)	7.2	7.2	4.2				
tC, 2 stage (s)	6.2						
tF (s)	3.7	3.5	2.3				
p0 queue free %	92	99	95				
cM capacity (veh/h)	432	562	797				
Direction, Lane #	EB 1	EB 2	NB 1	NB 2	NB 3	SB 1	SB 2
Volume Total	34	7	38	232	232	215	579
Volume Left	34	0	38	0	0	0	0
Volume Right	0	7	0	0	0	0	471
cSH	432	562	797	1700	1700	1700	1700
Volume to Capacity	0.08	0.01	0.05	0.14	0.14	0.13	0.34
Queue Length 95th (ft)	6	1	4	0	0	0	0
Control Delay (s)	14.0	11.5	9.7	0.0	0.0	0.0	0.0
Lane LOS	B	B	A				
Approach Delay (s)	13.6		0.7			0.0	
Approach LOS	B						
Intersection Summary							
Average Delay			0.7				
Intersection Capacity Utilization			38.6%	ICU Level of Service	A		
Analysis Period (min)			15				

HCM Unsignalized Intersection Capacity Analysis

3: Cass Ave & I-55 SB Off-Ramp

















07/03/2018

						
Movement	NBL	NBT	SBT	SBR	SEL	SER
Lane Configurations		↑↑	↑↑			↗
Traffic Volume (veh/h)	0	523	651	0	0	133
Future Volume (Veh/h)	0	523	651	0	0	133
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	568	708	0	0	145
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	708				992	354
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	708				992	354
tC, single (s)	4.1				6.8	7.0
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.4
p0 queue free %	100				100	77
cM capacity (veh/h)	887				243	631
Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SE 1	
Volume Total	284	284	354	354	145	
Volume Left	0	0	0	0	0	
Volume Right	0	0	0	0	145	
cSH	1700	1700	1700	1700	631	
Volume to Capacity	0.17	0.17	0.21	0.21	0.23	
Queue Length 95th (ft)	0	0	0	0	22	
Control Delay (s)	0.0	0.0	0.0	0.0	12.4	
Lane LOS					B	
Approach Delay (s)	0.0		0.0		12.4	
Approach LOS					B	
Intersection Summary						
Average Delay			1.3			
Intersection Capacity Utilization			32.9%		ICU Level of Service	A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

4: Clarendon Hills Rd & Fern St

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	9	6	1	9	30	1	99	0	16	64	7
Future Volume (Veh/h)	16	9	6	1	9	30	1	99	0	16	64	7
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	17	10	7	1	10	33	1	108	0	17	70	8
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	256	218	74	230	222	108	78			108		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	256	218	74	230	222	108	78			108		
tC, single (s)	7.1	6.5	6.2	7.1	6.7	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.2	3.4	2.2			2.3		
p0 queue free %	97	99	99	100	98	96	100			99		
cM capacity (veh/h)	662	675	993	709	635	932	1533			1458		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	34	44	109	95								
Volume Left	17	1	1	17								
Volume Right	7	33	0	8								
cSH	715	837	1533	1458								
Volume to Capacity	0.05	0.05	0.00	0.01								
Queue Length 95th (ft)	4	4	0	1								
Control Delay (s)	10.3	9.5	0.1	1.4								
Lane LOS	B	A	A	A								
Approach Delay (s)	10.3	9.5	0.1	1.4								
Approach LOS	B	A										
Intersection Summary												
Average Delay			3.2									
Intersection Capacity Utilization			26.4%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis
5: Lorraine Dr & S Frontage Rd

07/03/2018

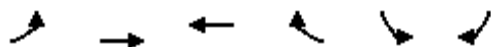


Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↔	↔
Traffic Volume (veh/h)	20	6	0	11	15	2
Future Volume (Veh/h)	20	6	0	11	15	2
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.56	0.56	0.56	0.56	0.56	0.56
Hourly flow rate (vph)	36	11	0	20	27	4
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None		None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			47		62	42
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			47		62	42
tC, single (s)			4.1		6.5	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.6	3.3
p0 queue free %			100		97	100
cM capacity (veh/h)			1573		918	1035
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	47	20	31			
Volume Left	0	0	27			
Volume Right	11	0	4			
cSH	1700	1573	932			
Volume to Capacity	0.03	0.00	0.03			
Queue Length 95th (ft)	0	0	3			
Control Delay (s)	0.0	0.0	9.0			
Lane LOS			A			
Approach Delay (s)	0.0	0.0	9.0			
Approach LOS			A			
Intersection Summary						
Average Delay			2.8			
Intersection Capacity Utilization			13.3%	ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

6: Fern St & S Frontage Rd

07/03/2018





















Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	
Traffic Volume (veh/h)	0	9	6	11	28	0
Future Volume (Veh/h)	0	9	6	11	28	0
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.60	0.60	0.60	0.60	0.60	0.60
Hourly flow rate (vph)	0	15	10	18	47	0
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	28				34	19
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	28				34	19
tC, single (s)	4.1				6.5	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.6	3.3
p0 queue free %	100				95	100
cM capacity (veh/h)	1599				957	1065
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	15	28	47			
Volume Left	0	0	47			
Volume Right	0	18	0			
cSH	1599	1700	957			
Volume to Capacity	0.00	0.02	0.05			
Queue Length 95th (ft)	0	0	4			
Control Delay (s)	0.0	0.0	9.0			
Lane LOS			A			
Approach Delay (s)	0.0	0.0	9.0			
Approach LOS			A			
Intersection Summary						
Average Delay			4.7			
Intersection Capacity Utilization		13.3%		ICU Level of Service		A
Analysis Period (min)		15				

HCM Unsignalized Intersection Capacity Analysis

1: Cass Ave & S Frontage Rd

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	10	30	6	7	47	18	512	14	48	818	80
Future Volume (Veh/h)	65	10	30	6	7	47	18	512	14	48	818	80
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Hourly flow rate (vph)	67	10	31	6	7	48	19	528	14	49	843	82
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								TWLTL				None
Median storage (veh)								2				
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1336	1562	462	1128	1596	271	925			542		
vC1, stage 1 conf vol	982	982		573	573							
vC2, stage 2 conf vol	354	580		556	1023							
vCu, unblocked vol	1336	1562	462	1128	1596	271	925			542		
tC, single (s)	7.5	6.5	7.0	7.5	7.2	7.1	4.3			4.3		
tC, 2 stage (s)	6.5	5.5		6.5	6.2							
tF (s)	3.5	4.0	3.3	3.5	4.3	3.4	2.3			2.3		
p0 queue free %	71	96	94	98	96	93	97			95		
cM capacity (veh/h)	233	266	541	323	198	698	675			969		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3				
Volume Total	108	61	19	352	190	49	562	363				
Volume Left	67	6	19	0	0	49	0	0				
Volume Right	31	48	0	0	14	0	0	82				
cSH	283	497	675	1700	1700	969	1700	1700				
Volume to Capacity	0.38	0.12	0.03	0.21	0.11	0.05	0.33	0.21				
Queue Length 95th (ft)	43	10	2	0	0	4	0	0				
Control Delay (s)	25.4	13.3	10.5	0.0	0.0	8.9	0.0	0.0				
Lane LOS	D	B	B			A						
Approach Delay (s)	25.4	13.3	0.4			0.4						
Approach LOS	D	B										
Intersection Summary												
Average Delay			2.5									
Intersection Capacity Utilization			51.1%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

2: Cass Ave & Northgate Rd

07/03/2018









Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	31	6	35	513	425	429
Future Volume (Veh/h)	31	6	35	513	425	429
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	34	7	38	564	467	471
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None TWLTL		
Median storage (veh)				2		
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1060	469	938			
vC1, stage 1 conf vol	702					
vC2, stage 2 conf vol	358					
vCu, unblocked vol	1060	469	938			
tC, single (s)	7.2	7.2	4.2			
tC, 2 stage (s)	6.2					
tF (s)	3.7	3.5	2.3			
p0 queue free %	91	99	95			
cM capacity (veh/h)	362	502	702			

Direction, Lane #	EB 1	EB 2	NB 1	NB 2	NB 3	SB 1	SB 2
Volume Total	34	7	38	282	282	311	627
Volume Left	34	0	38	0	0	0	0
Volume Right	0	7	0	0	0	0	471
cSH	362	502	702	1700	1700	1700	1700
Volume to Capacity	0.09	0.01	0.05	0.17	0.17	0.18	0.37
Queue Length 95th (ft)	8	1	4	0	0	0	0
Control Delay (s)	16.0	12.3	10.4	0.0	0.0	0.0	0.0
Lane LOS	C	B	B				
Approach Delay (s)	15.3		0.7			0.0	
Approach LOS	C						

Intersection Summary			
Average Delay		0.6	
Intersection Capacity Utilization		39.1%	ICU Level of Service A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis 3: Cass Ave & I-55 SB Off-Ramp

















07/03/2018

						
Movement	NBL	NBT	SBT	SBR	SEL	SER
Lane Configurations		↑↑	↑↑			↗
Traffic Volume (veh/h)	0	624	783	0	0	163
Future Volume (Veh/h)	0	624	783	0	0	163
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	678	851	0	0	177
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	851				1190	426
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	851				1190	426
tC, single (s)	4.1				6.8	7.0
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.4
p0 queue free %	100				100	69
cM capacity (veh/h)	783				180	566
Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SE 1	
Volume Total	339	339	426	426	177	
Volume Left	0	0	0	0	0	
Volume Right	0	0	0	0	177	
cSH	1700	1700	1700	1700	566	
Volume to Capacity	0.20	0.20	0.25	0.25	0.31	
Queue Length 95th (ft)	0	0	0	0	33	
Control Delay (s)	0.0	0.0	0.0	0.0	14.2	
Lane LOS					B	
Approach Delay (s)	0.0		0.0		14.2	
Approach LOS					B	
Intersection Summary						
Average Delay			1.5			
Intersection Capacity Utilization			38.4%		ICU Level of Service	A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

4: Clarendon Hills Rd & Fern St

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	10	7	2	10	35	3	116	1	18	25	9
Future Volume (Veh/h)	19	10	7	2	10	35	3	116	1	18	25	9
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	21	11	8	2	11	38	3	126	1	20	27	10
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	248	205	32	218	210	126	37			127		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	248	205	32	218	210	126	37			127		
tC, single (s)	7.1	6.5	6.2	7.1	6.7	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.2	3.4	2.2			2.3		
p0 queue free %	97	98	99	100	98	96	100			99		
cM capacity (veh/h)	663	684	1048	719	643	911	1587			1435		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	40	51	130	57								
Volume Left	21	2	3	20								
Volume Right	8	38	1	10								
cSH	722	828	1587	1435								
Volume to Capacity	0.06	0.06	0.00	0.01								
Queue Length 95th (ft)	4	5	0	1								
Control Delay (s)	10.3	9.6	0.2	2.7								
Lane LOS	B	A	A	A								
Approach Delay (s)	10.3	9.6	0.2	2.7								
Approach LOS	B	A										
Intersection Summary												
Average Delay			3.9									
Intersection Capacity Utilization			24.9%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis
 5: Lorraine Dr & S Frontage Rd

07/03/2018



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↔	
Traffic Volume (veh/h)	24	7	1	15	17	3
Future Volume (Veh/h)	24	7	1	15	17	3
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.56	0.56	0.56	0.56	0.56	0.56
Hourly flow rate (vph)	43	13	2	27	30	5
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			56		80	50
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			56		80	50
tC, single (s)			4.1		6.5	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.6	3.3
p0 queue free %			100		97	100
cM capacity (veh/h)			1562		894	1025

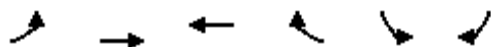
Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	56	29	35
Volume Left	0	2	30
Volume Right	13	0	5
cSH	1700	1562	911
Volume to Capacity	0.03	0.00	0.04
Queue Length 95th (ft)	0	0	3
Control Delay (s)	0.0	0.5	9.1
Lane LOS		A	A
Approach Delay (s)	0.0	0.5	9.1
Approach LOS			A

Intersection Summary			
Average Delay		2.8	
Intersection Capacity Utilization		13.3%	ICU Level of Service
Analysis Period (min)		15	A

HCM Unsignalized Intersection Capacity Analysis

6: Fern St & S Frontage Rd

07/03/2018



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↖	↗		↘	
Traffic Volume (veh/h)	1	10	7	15	34	1
Future Volume (Veh/h)	1	10	7	15	34	1
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.60	0.60	0.60	0.60	0.60	0.60
Hourly flow rate (vph)	2	17	12	25	57	2
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	37				46	24
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	37				46	24
tC, single (s)	4.1				6.5	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.6	3.3
p0 queue free %	100				94	100
cM capacity (veh/h)	1587				941	1058
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	19	37	59			
Volume Left	2	0	57			
Volume Right	0	25	2			
cSH	1587	1700	945			
Volume to Capacity	0.00	0.02	0.06			
Queue Length 95th (ft)	0	0	5			
Control Delay (s)	0.8	0.0	9.1			
Lane LOS	A		A			
Approach Delay (s)	0.8	0.0	9.1			
Approach LOS			A			
Intersection Summary						
Average Delay			4.8			
Intersection Capacity Utilization		13.3%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

7: S Frontage Rd & Truck Access

07/03/2018



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	2	0	63	9	0	51
Future Volume (Veh/h)	2	0	63	9	0	51
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	2	0	66	9	0	54
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type						
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	124	70			75	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	124	70			75	
tC, single (s)	7.4	7.2			5.1	
tC, 2 stage (s)						
tF (s)	4.4	4.2			3.1	
p0 queue free %	100	100			100	
cM capacity (veh/h)	683	775			1078	
Direction, Lane #	WB 1	NB 1	SB 1			
Volume Total	2	75	54			
Volume Left	2	0	0			
Volume Right	0	9	0			
cSH	683	1700	1078			
Volume to Capacity	0.00	0.04	0.00			
Queue Length 95th (ft)	0	0	0			
Control Delay (s)	10.3	0.0	0.0			
Lane LOS	B					
Approach Delay (s)	10.3	0.0	0.0			
Approach LOS	B					
Intersection Summary						
Average Delay			0.2			
Intersection Capacity Utilization		13.9%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 8: PV Access & S Frontage Rd

07/03/2018



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↔	
Traffic Volume (veh/h)	40	23	2	51	7	1
Future Volume (Veh/h)	40	23	2	51	7	1
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	42	24	2	54	7	1
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			66	112	54	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			66	112	54	
tC, single (s)			4.1	6.4	6.2	
tC, 2 stage (s)						
tF (s)			2.2	3.5	3.3	
p0 queue free %			100	99	100	
cM capacity (veh/h)			1536	884	1013	



















Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	66	56	8
Volume Left	0	2	7
Volume Right	24	0	1
cSH	1700	1536	898
Volume to Capacity	0.04	0.00	0.01
Queue Length 95th (ft)	0	0	1
Control Delay (s)	0.0	0.3	9.0
Lane LOS		A	A
Approach Delay (s)	0.0	0.3	9.0
Approach LOS			A

Intersection Summary			
Average Delay		0.7	
Intersection Capacity Utilization	14.3%	ICU Level of Service	A
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis

1: Cass Ave & S Frontage Rd

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	43	87	2	12	19	36	793	10	43	611	59
Future Volume (Veh/h)	97	43	87	2	12	19	36	793	10	43	611	59
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	102	45	92	2	13	20	38	835	11	45	643	62
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								TWLTL				None
Median storage (veh)								2				
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1284	1686	352	1442	1712	423	705			846		
vC1, stage 1 conf vol	764	764		916	916							
vC2, stage 2 conf vol	520	922		526	795							
vCu, unblocked vol	1284	1686	352	1442	1712	423	705			846		
tC, single (s)	7.6	6.6	6.9	8.5	6.5	6.9	4.1			4.3		
tC, 2 stage (s)	6.6	5.6		7.5	5.5							
tF (s)	3.5	4.0	3.3	4.0	4.0	3.3	2.2			2.3		
p0 queue free %	62	81	86	99	95	97	96			94		
cM capacity (veh/h)	270	233	647	157	248	585	902			744		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3				
Volume Total	239	35	38	557	289	45	429	276				
Volume Left	102	2	38	0	0	45	0	0				
Volume Right	92	20	0	0	11	0	0	62				
cSH	335	352	902	1700	1700	744	1700	1700				
Volume to Capacity	0.71	0.10	0.04	0.33	0.17	0.06	0.25	0.16				
Queue Length 95th (ft)	130	8	3	0	0	5	0	0				
Control Delay (s)	38.4	16.4	9.2	0.0	0.0	10.2	0.0	0.0				
Lane LOS	E	C	A			B						
Approach Delay (s)	38.4	16.4	0.4			0.6						
Approach LOS	E	C										
Intersection Summary												
Average Delay			5.5									
Intersection Capacity Utilization			55.2%		ICU Level of Service				B			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

2: Cass Ave & Northgate Rd

07/03/2018









Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations							
Traffic Volume (veh/h)	298	66	3	541	658	42	
Future Volume (Veh/h)	298	66	3	541	658	42	
Sign Control	Stop			Free	Free		
Grade	0%			0%	0%		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	
Hourly flow rate (vph)	324	72	3	588	715	46	
Pedestrians							
Lane Width (ft)							
Walking Speed (ft/s)							
Percent Blockage							
Right turn flare (veh)							
Median type				None	TWLTL		
Median storage (veh)					2		
Upstream signal (ft)							
pX, platoon unblocked							
vC, conflicting volume	1038	380	761				
vC1, stage 1 conf vol	738						
vC2, stage 2 conf vol	300						
vCu, unblocked vol	1038	380	761				
tC, single (s)	6.8	6.9	4.8				
tC, 2 stage (s)	5.8						
tF (s)	3.5	3.3	2.5				
p0 queue free %	20	88	100				
cM capacity (veh/h)	403	620	672				
Direction, Lane #	EB 1	EB 2	NB 1	NB 2	NB 3	SB 1	SB 2
Volume Total	324	72	3	294	294	477	284
Volume Left	324	0	3	0	0	0	0
Volume Right	0	72	0	0	0	0	46
cSH	403	620	672	1700	1700	1700	1700
Volume to Capacity	0.80	0.12	0.00	0.17	0.17	0.28	0.17
Queue Length 95th (ft)	178	10	0	0	0	0	0
Control Delay (s)	41.7	11.6	10.4	0.0	0.0	0.0	0.0
Lane LOS	E	B	B				
Approach Delay (s)	36.2		0.1			0.0	
Approach LOS	E						
Intersection Summary							
Average Delay			8.2				
Intersection Capacity Utilization			42.7%	ICU Level of Service	A		
Analysis Period (min)			15				

HCM Unsignalized Intersection Capacity Analysis

3: Cass Ave & I-55 SB Off-Ramp

07/03/2018

						
Movement	NBL	NBT	SBT	SBR	SEL	SER
Lane Configurations		↑↑	↑↑			↗
Traffic Volume (veh/h)	0	909	567	0	0	146
Future Volume (Veh/h)	0	909	567	0	0	146
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	988	616	0	0	159
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	616				1110	308
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	616				1110	308
tC, single (s)	4.1				6.8	7.1
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.4
p0 queue free %	100				100	76
cM capacity (veh/h)	960				203	668
Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SE 1	
Volume Total	494	494	308	308	159	
Volume Left	0	0	0	0	0	
Volume Right	0	0	0	0	159	
cSH	1700	1700	1700	1700	668	
Volume to Capacity	0.29	0.29	0.18	0.18	0.24	
Queue Length 95th (ft)	0	0	0	0	23	
Control Delay (s)	0.0	0.0	0.0	0.0	12.1	
Lane LOS					B	
Approach Delay (s)	0.0		0.0		12.1	
Approach LOS					B	
Intersection Summary						
Average Delay			1.1			
Intersection Capacity Utilization			31.4%		ICU Level of Service	A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

4: Clarendon Hills Rd & Fern St

07/03/2018



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Volume (veh/h)	22	48	7	4	14	48	3	118	8	45	140	21
Future Volume (Veh/h)	22	48	7	4	14	48	3	118	8	45	140	21
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Hourly flow rate (vph)	24	52	8	4	15	52	3	127	9	48	151	23
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	456	400	162	430	408	132	174			136		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	456	400	162	430	408	132	174			136		
tC, single (s)	7.3	6.5	6.3	7.1	6.5	6.2	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.7	4.0	3.4	3.5	4.0	3.3	2.2			2.3		
p0 queue free %	95	90	99	99	97	94	100			97		
cM capacity (veh/h)	439	519	852	480	517	923	1415			1418		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	84	71	139	222
Volume Left	24	4	3	48
Volume Right	8	52	9	23
cSH	511	758	1415	1418
Volume to Capacity	0.16	0.09	0.00	0.03
Queue Length 95th (ft)	15	8	0	3
Control Delay (s)	13.4	10.2	0.2	1.9
Lane LOS	B	B	A	A
Approach Delay (s)	13.4	10.2	0.2	1.9
Approach LOS	B	B		

Intersection Summary			
Average Delay		4.4	
Intersection Capacity Utilization	38.8%	ICU Level of Service	A
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis

5: Lorraine Dr & S Frontage Rd

07/03/2018



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↔	↔
Traffic Volume (veh/h)	67	14	0	10	14	2
Future Volume (Veh/h)	67	14	0	10	14	2
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.74	0.74	0.74	0.74	0.74	0.74
Hourly flow rate (vph)	91	19	0	14	19	3
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None		None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			110		114	100
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			110		114	100
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		98	100
cM capacity (veh/h)			1493		887	960
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	110	14	22			
Volume Left	0	0	19			
Volume Right	19	0	3			
cSH	1700	1493	896			
Volume to Capacity	0.06	0.00	0.02			
Queue Length 95th (ft)	0	0	2			
Control Delay (s)	0.0	0.0	9.1			
Lane LOS			A			
Approach Delay (s)	0.0	0.0	9.1			
Approach LOS			A			
Intersection Summary						
Average Delay			1.4			
Intersection Capacity Utilization			14.4%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

6: Fern St & S Frontage Rd

07/03/2018





















Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↶	↷		↘	↙
Traffic Volume (veh/h)	1	9	20	11	69	2
Future Volume (Veh/h)	1	9	20	11	69	2
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.79	0.79	0.79	0.79	0.79	0.79
Hourly flow rate (vph)	1	11	25	14	87	3
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	39				45	32
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	39				45	32
tC, single (s)	4.1				6.4	6.7
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.8
p0 queue free %	100				91	100
cM capacity (veh/h)	1584				960	920
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	12	39	90			
Volume Left	1	0	87			
Volume Right	0	14	3			
cSH	1584	1700	958			
Volume to Capacity	0.00	0.02	0.09			
Queue Length 95th (ft)	0	0	8			
Control Delay (s)	0.6	0.0	9.1			
Lane LOS	A		A			
Approach Delay (s)	0.6	0.0	9.1			
Approach LOS			A			
Intersection Summary						
Average Delay			5.9			
Intersection Capacity Utilization		13.9%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

1: Cass Ave & S Frontage Rd

07/03/2018

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	114	50	102	13	14	44	42	935	15	58	720	69
Future Volume (Veh/h)	114	50	102	13	14	44	42	935	15	58	720	69
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	120	53	107	14	15	46	44	984	16	61	758	73
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								TWLTL				None
Median storage (veh)								2				
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1550	2004	416	1714	2033	500	831			1000		
vC1, stage 1 conf vol	916	916		1080	1080							
vC2, stage 2 conf vol	634	1088		634	953							
vCu, unblocked vol	1550	2004	416	1714	2033	500	831			1000		
tC, single (s)	7.6	6.6	6.9	8.5	6.6	7.0	4.1			4.3		
tC, 2 stage (s)	6.6	5.6		7.5	5.6							
tF (s)	3.5	4.0	3.3	4.0	4.0	3.3	2.2			2.3		
p0 queue free %	39	69	82	87	92	91	95			91		
cM capacity (veh/h)	197	173	589	109	186	508	810			647		
Direction, Lane #	EB 1	WB 1	NB 1	NB 2	NB 3	SB 1	SB 2	SB 3				
Volume Total	280	75	44	656	344	61	505	326				
Volume Left	120	14	44	0	0	61	0	0				
Volume Right	107	46	0	0	16	0	0	73				
cSH	255	250	810	1700	1700	647	1700	1700				
Volume to Capacity	1.10	0.30	0.05	0.39	0.20	0.09	0.30	0.19				
Queue Length 95th (ft)	298	30	4	0	0	8	0	0				
Control Delay (s)	127.1	25.4	9.7	0.0	0.0	11.1	0.0	0.0				
Lane LOS	F	D	A			B						
Approach Delay (s)	127.1	25.4	0.4			0.8						
Approach LOS	F	D										
Intersection Summary												
Average Delay			16.8									
Intersection Capacity Utilization			61.5%		ICU Level of Service				B			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

2: Cass Ave & Northgate Rd

07/03/2018









Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	298	66	3	694	793	42
Future Volume (Veh/h)	298	66	3	694	793	42
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	324	72	3	754	862	46
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None TWLTL		
Median storage (veh)				2		
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1268	454	908			
vC1, stage 1 conf vol	885					
vC2, stage 2 conf vol	383					
vCu, unblocked vol	1268	454	908			
tC, single (s)	6.8	6.9	4.8			
tC, 2 stage (s)	5.8					
tF (s)	3.5	3.3	2.5			
p0 queue free %	4	87	99			
cM capacity (veh/h)	336	556	579			

Direction, Lane #	EB 1	EB 2	NB 1	NB 2	NB 3	SB 1	SB 2
Volume Total	324	72	3	377	377	575	333
Volume Left	324	0	3	0	0	0	0
Volume Right	0	72	0	0	0	0	46
cSH	336	556	579	1700	1700	1700	1700
Volume to Capacity	0.96	0.13	0.01	0.22	0.22	0.34	0.20
Queue Length 95th (ft)	258	11	0	0	0	0	0
Control Delay (s)	76.4	12.4	11.2	0.0	0.0	0.0	0.0
Lane LOS	F	B	B				
Approach Delay (s)	64.8	0.0		0.0			
Approach LOS	F						

Intersection Summary						
Average Delay	12.5					
Intersection Capacity Utilization	46.4%		ICU Level of Service		A	
Analysis Period (min)	15					

HCM Unsignalized Intersection Capacity Analysis 3: Cass Ave & I-55 SB Off-Ramp

07/03/2018

						
Movement	NBL	NBT	SBT	SBR	SEL	SER
Lane Configurations		↑↑	↑↑			↗
Traffic Volume (veh/h)	0	1093	673	0	0	174
Future Volume (Veh/h)	0	1093	673	0	0	174
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	1188	732	0	0	189
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	732				1326	366
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	732				1326	366
tC, single (s)	4.1				6.8	7.1
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.4
p0 queue free %	100				100	69
cM capacity (veh/h)	868				147	611
Direction, Lane #	NB 1	NB 2	SB 1	SB 2	SE 1	
Volume Total	594	594	366	366	189	
Volume Left	0	0	0	0	0	
Volume Right	0	0	0	0	189	
cSH	1700	1700	1700	1700	611	
Volume to Capacity	0.35	0.35	0.22	0.22	0.31	
Queue Length 95th (ft)	0	0	0	0	33	
Control Delay (s)	0.0	0.0	0.0	0.0	13.5	
Lane LOS					B	
Approach Delay (s)	0.0		0.0		13.5	
Approach LOS					B	
Intersection Summary						
Average Delay			1.2			
Intersection Capacity Utilization			36.0%		ICU Level of Service	A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis

4: Clarendon Hills Rd & Fern St

07/03/2018



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Volume (veh/h)	26	56	9	5	16	56	4	139	9	53	165	26
Future Volume (Veh/h)	26	56	9	5	16	56	4	139	9	53	165	26
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Hourly flow rate (vph)	28	60	10	5	17	60	4	149	10	57	177	28
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	536	472	191	507	481	154	205			159		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	536	472	191	507	481	154	205			159		
tC, single (s)	7.3	6.5	6.3	7.1	6.5	6.2	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.7	4.0	3.4	3.5	4.0	3.3	2.2			2.3		
p0 queue free %	93	87	99	99	96	93	100			96		
cM capacity (veh/h)	379	469	821	413	466	897	1378			1390		

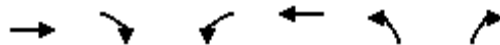
Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	98	82	163	262
Volume Left	28	5	4	57
Volume Right	10	60	10	28
cSH	458	710	1378	1390
Volume to Capacity	0.21	0.12	0.00	0.04
Queue Length 95th (ft)	20	10	0	3
Control Delay (s)	15.0	10.7	0.2	2.0
Lane LOS	B	B	A	A
Approach Delay (s)	15.0	10.7	0.2	2.0
Approach LOS	B	B		

Intersection Summary			
Average Delay		4.8	
Intersection Capacity Utilization	42.9%	ICU Level of Service	A
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis

5: Lorraine Dr & S Frontage Rd

07/03/2018



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↘	↙
Traffic Volume (veh/h)	81	16	1	13	16	3
Future Volume (Veh/h)	81	16	1	13	16	3
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.74	0.74	0.74	0.74	0.74	0.74
Hourly flow rate (vph)	109	22	1	18	22	4
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			131		140	120
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			131		140	120
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		97	100
cM capacity (veh/h)			1467		857	937
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	131	19	26			
Volume Left	0	1	22			
Volume Right	22	0	4			
cSH	1700	1467	869			
Volume to Capacity	0.08	0.00	0.03			
Queue Length 95th (ft)	0	0	2			
Control Delay (s)	0.0	0.4	9.3			
Lane LOS		A	A			
Approach Delay (s)	0.0	0.4	9.3			
Approach LOS			A			
Intersection Summary						
Average Delay			1.4			
Intersection Capacity Utilization			15.2%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 6: Fern St & S Frontage Rd










07/03/2018



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↖	↗		↘	
Traffic Volume (veh/h)	2	10	32	14	83	3
Future Volume (Veh/h)	2	10	32	14	83	3
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.79	0.79	0.79	0.79	0.79	0.79
Hourly flow rate (vph)	3	13	41	18	105	4
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		None	None			
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	59				69	50
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	59				69	50
tC, single (s)	4.1				6.4	6.7
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.8
p0 queue free %	100				89	100
cM capacity (veh/h)	1558				929	898
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	16	59	109			
Volume Left	3	0	105			
Volume Right	0	18	4			
cSH	1558	1700	928			
Volume to Capacity	0.00	0.03	0.12			
Queue Length 95th (ft)	0	0	10			
Control Delay (s)	1.4	0.0	9.4			
Lane LOS	A		A			
Approach Delay (s)	1.4	0.0	9.4			
Approach LOS			A			
Intersection Summary						
Average Delay			5.7			
Intersection Capacity Utilization		14.8%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
7: S Frontage Rd & Truck Access

07/03/2018

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	7	0	119	4	0	39
Future Volume (Veh/h)	7	0	119	4	0	39
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	7	0	125	4	0	41
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	168	127			129	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	168	127			129	
tC, single (s)	7.4	7.2			5.1	
tC, 2 stage (s)						
tF (s)	4.4	4.2			3.1	
p0 queue free %	99	100			100	
cM capacity (veh/h)	641	715			1022	
Direction, Lane #	WB 1	NB 1	SB 1			
Volume Total	7	129	41			
Volume Left	7	0	0			
Volume Right	0	4	0			
cSH	641	1700	1022			
Volume to Capacity	0.01	0.08	0.00			
Queue Length 95th (ft)	1	0	0			
Control Delay (s)	10.7	0.0	0.0			
Lane LOS	B					
Approach Delay (s)	10.7	0.0	0.0			
Approach LOS	B					
Intersection Summary						
Average Delay			0.4			
Intersection Capacity Utilization		16.5%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 8: PV Access & S Frontage Rd

07/03/2018



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	→			←	↔	↔
Traffic Volume (veh/h)	112	7	1	39	25	2
Future Volume (Veh/h)	112	7	1	39	25	2
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Hourly flow rate (vph)	118	7	1	41	26	2
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			125		164	122
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			125		164	122
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		97	100
cM capacity (veh/h)			1462		826	930
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	125	42	28			
Volume Left	0	1	26			
Volume Right	7	0	2			
cSH	1700	1462	832			
Volume to Capacity	0.07	0.00	0.03			
Queue Length 95th (ft)	0	0	3			
Control Delay (s)	0.0	0.2	9.5			
Lane LOS		A	A			
Approach Delay (s)	0.0	0.2	9.5			
Approach LOS			A			
Intersection Summary						
Average Delay			1.4			
Intersection Capacity Utilization			16.3%	ICU Level of Service	A	
Analysis Period (min)			15			

Weave Analysis

HCS7 Freeway Weaving Report

Project Information

Analyst	WRW	Date	7/2/2018
Agency	KLOA	Analysis Year	2018
Jurisdiction	KLOA	Time Period Analyzed	Weekday AM
Project Description	18-112; Darien, IL		

Geometric Data

Number of Lanes (N), ln	2	Segment Type	Freeway
Short Length (L _s), ft	350	Number of Maneuver Lanes (N _{WL}), ln	0
Weaving Configuration	Two-Sided	Ramp-to-Freeway Lane Changes (LC _{RF}), lc	0
Terrain Type	Level	Freeway-to-Ramp Lane Changes (LC _{FR}), lc	0
Percent Grade, %	-	Ramp-to-Ramp Lane Changes (LC _{RR}), lc	1
Interchange Density (ID), int/mi	1.00	Cross Weaving Managed Lane	No

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

	FF	RF	RR	FR
Demand Volume (V _i), veh/h	560	124	9	91
Peak Hour Factor (PHF)	0.94	0.94	0.94	0.94
Total Trucks, %	5.00	5.00	5.00	5.00
Heavy Vehicle Adjustment Factor (f _{HV})	0.952	0.952	0.952	0.952
Flow Rate (v _i), pc/h	626	139	10	102
Weaving Flow Rate (v _w), pc/h	10	Freeway Max Capacity (c _{IFL}), pc/h/ln		2200
Non-Weaving Flow Rate (v _{NW}), pc/h	867	Density-Based Capacity (c _{IDL}), pc/h/ln		1781
Total Flow Rate (v), pc/h	877	Demand Flow-Based Capacity (c _w), pc/h		40000
Volume Ratio (VR)	0.011	Weaving Segment Capacity (c _w), veh/h		3391
Minimum Lane Change Rate (LC _{MIN}), lc/h	10	Adjusted Weaving Area Capacity, pc/h		3566
Maximum Weaving Length (L _{MAX}), ft	5829	Volume-to-Capacity Ratio (v/c)		0.25

Speed and Density

Non-Weaving Vehicle Index (I _{NW})	30	Average Weaving Speed (S _w), mi/h	44.1
Non-Weaving Lane Change Rate (LC _{NW}), lc/h	0	Average Non-Weaving Speed (S _{NW}), mi/h	42.8
Weaving Lane Change Rate (LC _w), lc/h	29	Average Speed (S), mi/h	42.8
Total Lane Change Rate (LC _{AI}), lc/h	29	Density (D), pc/mi/ln	10.2
Weaving Intensity Factor (W)	0.032	Level of Service (LOS)	B

HCS7 Freeway Weaving Report

Project Information

Analyst	WRW	Date	7/2/2018
Agency	KLOA	Analysis Year	2024
Jurisdiction	KLOA	Time Period Analyzed	Weekday AM
Project Description	18-112; Darien, IL		

Geometric Data

Number of Lanes (N), ln	2	Segment Type	Freeway
Short Length (L _s), ft	350	Number of Maneuver Lanes (N _{WL}), ln	0
Weaving Configuration	Two-Sided	Ramp-to-Freeway Lane Changes (LC _{RF}), lc	0
Terrain Type	Level	Freeway-to-Ramp Lane Changes (LC _{FR}), lc	0
Percent Grade, %	-	Ramp-to-Ramp Lane Changes (LC _{RR}), lc	1
Interchange Density (ID), int/mi	1.00	Cross Weaving Managed Lane	No

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

	FF	RF	RR	FR
Demand Volume (V _i), veh/h	673	150	12	110
Peak Hour Factor (PHF)	0.94	0.94	0.94	0.94
Total Trucks, %	5.00	5.00	5.00	5.00
Heavy Vehicle Adjustment Factor (f _{HV})	0.952	0.952	0.952	0.952
Flow Rate (v _i), pc/h	752	168	13	123
Weaving Flow Rate (v _w), pc/h	13	Freeway Max Capacity (c _{IFL}), pc/h/ln		2200
Non-Weaving Flow Rate (v _{NW}), pc/h	1043	Density-Based Capacity (c _{NWL}), pc/h/ln		1780
Total Flow Rate (v), pc/h	1056	Demand Flow-Based Capacity (c _w), pc/h		40000
Volume Ratio (VR)	0.012	Weaving Segment Capacity (c _w), veh/h		3389
Minimum Lane Change Rate (LC _{MIN}), lc/h	13	Adjusted Weaving Area Capacity, pc/h		3560
Maximum Weaving Length (L _{MAX}), ft	5838	Volume-to-Capacity Ratio (v/c)		0.30

Speed and Density

Non-Weaving Vehicle Index (I _{NW})	37	Average Weaving Speed (S _w), mi/h	43.6
Non-Weaving Lane Change Rate (LC _{NW}), lc/h	19	Average Non-Weaving Speed (S _{NW}), mi/h	42.4
Weaving Lane Change Rate (LC _w), lc/h	32	Average Speed (S), mi/h	42.4
Total Lane Change Rate (LC _{AI}), lc/h	51	Density (D), pc/mi/ln	12.5
Weaving Intensity Factor (W)	0.049	Level of Service (LOS)	B

HCS7 Freeway Weaving Report

Project Information

Analyst	WRW	Date	7/2/2018
Agency	KLOA	Analysis Year	2018
Jurisdiction	KLOA	Time Period Analyzed	Weekday PM
Project Description	18-112; Darien, IL		

Geometric Data

Number of Lanes (N), ln	2	Segment Type	Freeway
Short Length (L _s), ft	350	Number of Maneuver Lanes (N _{WL}), ln	0
Weaving Configuration	Two-Sided	Ramp-to-Freeway Lane Changes (LC _{RF}), lc	0
Terrain Type	Level	Freeway-to-Ramp Lane Changes (LC _{FR}), lc	0
Percent Grade, %	-	Ramp-to-Ramp Lane Changes (LC _{RR}), lc	1
Interchange Density (ID), int/mi	1.00	Cross Weaving Managed Lane	No

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

	FF	RF	RR	FR
Demand Volume (V _i), veh/h	516	137	9	51
Peak Hour Factor (PHF)	0.94	0.94	0.94	0.94
Total Trucks, %	5.00	5.00	5.00	5.00
Heavy Vehicle Adjustment Factor (f _{HV})	0.952	0.952	0.952	0.952
Flow Rate (v _i), pc/h	577	153	10	57
Weaving Flow Rate (v _w), pc/h	10	Freeway Max Capacity (c _{IFL}), pc/h/ln		2200
Non-Weaving Flow Rate (v _{NW}), pc/h	787	Density-Based Capacity (c _{IDL}), pc/h/ln		1779
Total Flow Rate (v), pc/h	797	Demand Flow-Based Capacity (c _w), pc/h		40000
Volume Ratio (VR)	0.013	Weaving Segment Capacity (c _w), veh/h		3387
Minimum Lane Change Rate (LC _{MIN}), lc/h	10	Adjusted Weaving Area Capacity, pc/h		3559
Maximum Weaving Length (L _{MAX}), ft	5848	Volume-to-Capacity Ratio (v/c)		0.22

Speed and Density

Non-Weaving Vehicle Index (I _{NW})	28	Average Weaving Speed (S _w), mi/h	44.1
Non-Weaving Lane Change Rate (LC _{NW}), lc/h	0	Average Non-Weaving Speed (S _{NW}), mi/h	43.0
Weaving Lane Change Rate (LC _w), lc/h	29	Average Speed (S), mi/h	43.0
Total Lane Change Rate (LC _{AI}), lc/h	29	Density (D), pc/mi/ln	9.3
Weaving Intensity Factor (W)	0.032	Level of Service (LOS)	A

HCS7 Freeway Weaving Report

Project Information

Analyst	WRW	Date	7/2/2018
Agency	KLOA	Analysis Year	2024
Jurisdiction	KLOA	Time Period Analyzed	Weekday PM
Project Description	18-112; Darien, IL		

Geometric Data

Number of Lanes (N), ln	2	Segment Type	Freeway
Short Length (L _s), ft	350	Number of Maneuver Lanes (N _{WL}), ln	0
Weaving Configuration	Two-Sided	Ramp-to-Freeway Lane Changes (LC _{RF}), lc	0
Terrain Type	Level	Freeway-to-Ramp Lane Changes (LC _{FR}), lc	0
Percent Grade, %	-	Ramp-to-Ramp Lane Changes (LC _{RR}), lc	1
Interchange Density (ID), int/mi	1.00	Cross Weaving Managed Lane	No

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

	FF	RF	RR	FR
Demand Volume (V _i), veh/h	612	164	10	61
Peak Hour Factor (PHF)	0.94	0.94	0.94	0.94
Total Trucks, %	5.00	5.00	5.00	5.00
Heavy Vehicle Adjustment Factor (f _{HV})	0.952	0.952	0.952	0.952
Flow Rate (v _i), pc/h	684	183	11	68
Weaving Flow Rate (v _w), pc/h	11	Freeway Max Capacity (c _{IFL}), pc/h/ln		2200
Non-Weaving Flow Rate (v _{NW}), pc/h	935	Density-Based Capacity (c _{IDL}), pc/h/ln		1780
Total Flow Rate (v), pc/h	946	Demand Flow-Based Capacity (c _w), pc/h		40000
Volume Ratio (VR)	0.012	Weaving Segment Capacity (c _w), veh/h		3389
Minimum Lane Change Rate (LC _{MIN}), lc/h	11	Adjusted Weaving Area Capacity, pc/h		3558
Maximum Weaving Length (L _{MAX}), ft	5838	Volume-to-Capacity Ratio (v/c)		0.27

Speed and Density

Non-Weaving Vehicle Index (I _{NW})	33	Average Weaving Speed (S _w), mi/h	44.0
Non-Weaving Lane Change Rate (LC _{NW}), lc/h	0	Average Non-Weaving Speed (S _{NW}), mi/h	42.7
Weaving Lane Change Rate (LC _w), lc/h	30	Average Speed (S), mi/h	42.7
Total Lane Change Rate (LC _{AI}), lc/h	30	Density (D), pc/mi/ln	11.1
Weaving Intensity Factor (W)	0.033	Level of Service (LOS)	B

Accident Data



Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Date	Weather	Roadway	Injuries A	Injuries B	Injuries C	Killed	Type of Crash	Light Condition	Mile	XCoordinate YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit	
201201296993																					
10/12/2012 5:15 PM	Clear	Dry	0	0	0	0	Angle	Daylight	0.00	2895649.80216542 1850270.92289301	Passenger	East	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1	
											Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2	



Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
1	0	0	0	0	1	0	0	0	0	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	100.0%	Friday	1	100.0%	5 PM	1	100.0%	Passenger	2	100.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		TOTAL:	2	
Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	1	100.0%	Daylight	1	100.0%	Dry	1	100.0%	East	1	50.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		North	1	50.0%
									TOTAL:	2	

Coordinate Collision Diagram Report

1/1/2012 to 12/31/2012

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Notes

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Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Date	Weather	Roadway	Injuries A	Injuries B	Injuries C	Killed	Type of Crash	Light Condition	Mile	XCoordinate	YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit	
201301032572																						
4/25/2013 5:45 PM	Clear	Dry	0	0	0	0	Angle	Daylight	0.00	2895649.80216542	1850270.92289301	Passenger	East	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1	
201301164141																						
6/29/2013 9:00 PM	Clear	Dry	0	0	1	0	Turning	Dusk	0.00	2895649.80216542	1850270.92289301	Passenger	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1	
201301333215																						
9/18/2013 9:00 PM	Clear	Wet	0	0	0	0	Fixed Object	Darkness	0.00	2895650.13582617	1850270.39139801	Motorcycle (Over 150cc)	East	Turning Right	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2	
												Unknown	South	Unknown	Ran Off Roadway	Off Pavement - Left	Other Pole or Post	Off Pavement - Left	(UNK)	(UNK)	1	



Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
3	0	0	0	1	2	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	33.3%	Wednesday	1	33.3%	5 PM	1	33.3%	Motorcycle (Over 150cc)	1	20.0%
Fixed Object	1	33.3%	Thursday	1	33.3%	9 PM	2	66.7%	Passenger	3	60.0%
Turning	1	33.3%	Saturday	1	33.3%	TOTAL:	3	100.0%	Unknown	1	20.0%
TOTAL:	3		TOTAL:	3			3		TOTAL:	5	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	3	100.0%	Darkness	1	33.3%	Dry	2	66.7%	East	2	40.0%
TOTAL:	3		TOTAL:	3		TOTAL:	3		TOTAL:	5	

Coordinate Collision Diagram Report

1/1/2013 to 12/31/2013

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Notes

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Coordinate Collision Diagram Report

1/1/2014 to 12/31/2014

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Date	Weather	Roadway	Injuries A	Injuries B	Injuries C	Killed	Type of Crash	Light Condition	Mile	XCoordinate	YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit	
201400287185																						
10/28/2014 3:38 PM	Clear	Dry	0	0	1	0	Turning	Daylight	0.00	2895650.12007152	1850270.41655008	Passenger	East	Turning Left	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	1
												Passenger	West	Straight Ahead	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	2

Coordinate Collision Diagram Report

1/1/2014 to 12/31/2014

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
1	0	0	0	1	0	0	1	0	0	1

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Turning	1	100.0%	Tuesday	1	100.0%	3 PM	1	100.0%	Passenger	2	100.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		TOTAL:	2	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	1	100.0%	Daylight	1	100.0%	Dry	1	100.0%	East	1	50.0%
TOTAL:	1		TOTAL:	1		TOTAL:	1		West	1	50.0%
									TOTAL:	2	



Coordinate Collision Diagram Report

1/1/2014 to 12/31/2014

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Notes

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Illinois Department of Transportation
Division of Traffic Safety

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Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : .250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Date	Weather	Roadway	Injuries A	Injuries B	Injuries C	Killed	Type of Crash	Light Condition	Mile	XCoordinate	YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit	
201501051147																						
3/11/2015 12:20 PM	Clear	Dry	1	1	0	0	Angle	Daylight	0.00	2895650.28206672	1850270.42840683	Passenger	East	Starting In Traffic	Motor Vehicle In Traffic	Intersection	(UNK)	(UNK)	(UNK)	(UNK)	1	
201501127795																						
6/26/2015 4:30 AM	Rain	Wet	0	0	1	0	Turning	Daylight	0.00	2895650.13549809	1850270.39074184	SUV	East	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1	
7/9/2015 4:06 PM	Clear	Dry	0	0	1	0	Turning	Daylight	0.00	2895650.13549809	1850270.39074184	Passenger	South	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	2	
201501137498																						
7/9/2015 4:06 PM	Clear	Dry	0	0	1	0	Turning	Daylight	0.00	2895650.13549809	1850270.39074184	Passenger	North	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	1	

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
3	0	1	0	2	0	0	4	1	1	2

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Angle	1	33.3%	Wednesday	1	33.3%	04 AM	1	33.3%	Passenger	5	83.3%
Turning	2	66.7%	Thursday	1	33.3%	Noon	1	33.3%	SUV	1	16.7%
TOTAL:	3		Friday	1	33.3%	4 PM	1	33.3%	TOTAL:	6	
			TOTAL:	3		TOTAL:	3				

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	2	66.7%	Daylight	3	100.0%	Dry	2	66.7%	East	2	33.3%
Rain	1	33.3%	TOTAL:	3		Wet	1	33.3%	North	1	16.7%
TOTAL:	3					TOTAL:	3		South	3	50.0%
									TOTAL:	6	

Coordinate Collision Diagram Report

1/1/2015 to 12/31/2015

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Notes

DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. Any conclusions drawn from analysis of the aforementioned data are the sole responsibility of the data recipient(s). Additionally, for coding years 2015 to present, the Bureau of Data Collection uses the exact latitude/longitude supplied by the investigating law enforcement agency to locate crashes. Therefore, location data may vary in previous years since data prior to 2015 was physically located by bureau personnel.



Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Date	Weather	Roadway	Injuries A B C	Killed	Type of Crash	Light Condition	Mile	XCoordinate YCoordinate	Vehicle Type	DIRP	Maneuver	Event 1	Loc 1	Event 2	Loc 2	Event 3	Loc 3	Unit		
201601017637																				
1/12/2016 8:45 AM	Clear	Snow or Slush	0 1 0	0	Turning	Daylight	0.00	2895650.13549809 1850270.39074184	SUV	East	Turning Left	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	1	
201601208148																				
9/7/2016 7:21 AM	Clear	Dry	0 0 0	0	Sideswipe Same Direction	Daylight	0.00	2895655.50267811 1850274.17462114	SUV	North	Slow/Stop - Left Turn	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	1
									Passenger	North	Straight Ahead	Motor Vehicle In Traffic	On Pavement (Roadway)	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	(UNK)	2



Coordinate Collision Diagram Report

1/1/2016 to 12/31/2016

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

TOTAL CRASHES	FATAL CRASHES	A INJURY CRASHES	B INJURY CRASHES	C INJURY CRASHES	PROPERTY DAMAGE CRASHES	TOTAL KILLED	TOTAL INJURED	A INJURIES	B INJURIES	C INJURIES
2	0	0	1	0	1	0	1	0	1	0

Type of Crash	Total	%	Day of Wk	Total	%	Hour of Day	Total	%	Vehicle Type	Total	%
Sideswipe Same Direction	1	50.0%	Tuesday	1	50.0%	07 AM	1	50.0%	Passenger	2	50.0%
Turning	1	50.0%	Wednesday	1	50.0%	08 AM	1	50.0%	SUV	2	50.0%
TOTAL:	2		TOTAL:	2		TOTAL:	2		TOTAL:	4	

Weather Cond	Total	%	Light Cond	Total	%	Road Surface	Total	%	DIRP	Total	%
Clear	2	100.0%	Daylight	2	100.0%	Dry	1	50.0%	East	1	25.0%
TOTAL:	2		TOTAL:	2		TOTAL:	1		North	2	50.0%
						TOTAL:	2		South	1	25.0%
						TOTAL:			TOTAL:	4	

Coordinate Collision Diagram Report

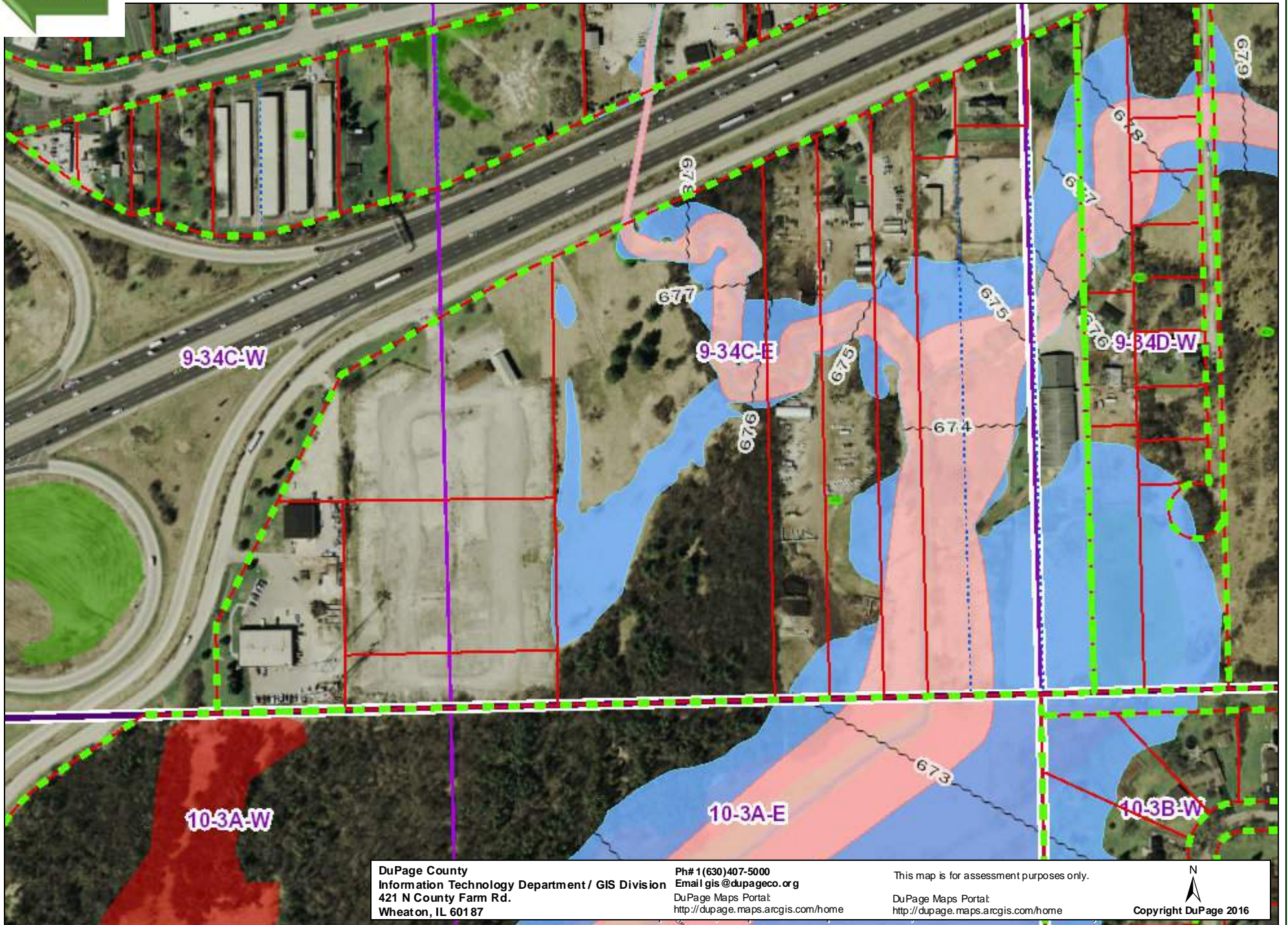
1/1/2016 to 12/31/2016

For XCoordinate 2895650.12007152 : YCoordinate 1850270.41655008 | Foot Tolerance : 250 | County : DuPage | Intersection Related: Intersections | *See Notes at End of Report.

Notes

DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. Any conclusions drawn from analysis of the aforementioned data are the sole responsibility of the data recipient(s). Additionally, for coding years 2015 to present, the Bureau of Data Collection uses the exact latitude/longitude supplied by the investigating law enforcement agency to locate crashes. Therefore, location data may vary in previous years since data prior to 2015 was physically located by bureau personnel.

MEMO



DuPage County
 Information Technology Department / GIS Division
 421 N County Farm Rd.
 Wheaton, IL 60187

Ph# 1(630)407-5000
 Email gis@dupageco.org
 DuPage Maps Portal:
<http://dupage.maps.arcgis.com/home>

This map is for assessment purposes only.

DuPage Maps Portal:
<http://dupage.maps.arcgis.com/home>

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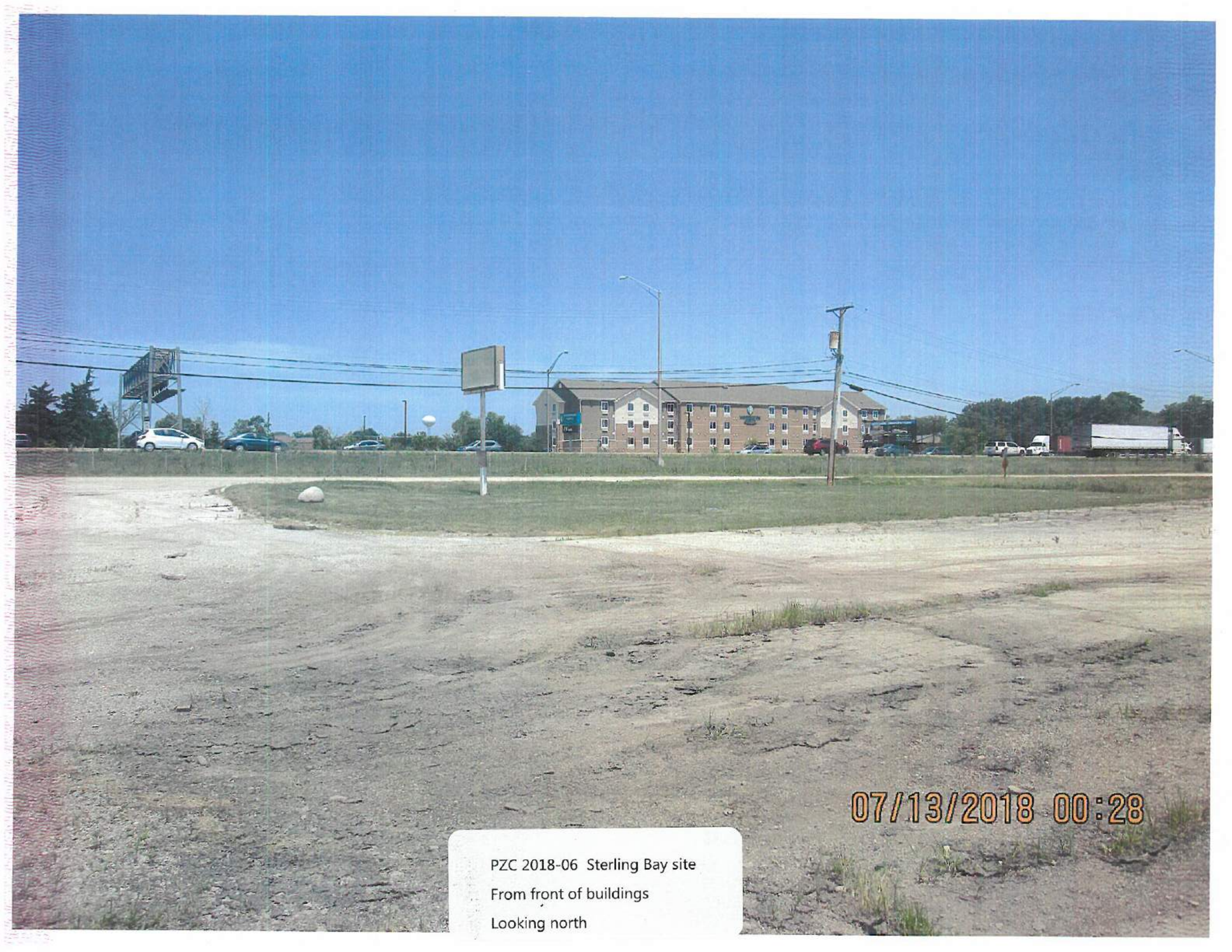
07/13/2018 00:25

PZC 2018-06 Sterling Bay site
From northeast corner
Looking south



07/13/2018 00:33

PZC 2018-06 Sterling Bay site
From southwest corner
Looking north



07/13/2018 00:28

PZC 2018-06 Sterling Bay site
From front of buildings
Looking north

Manning

From: Steven Manning
Sent: Friday, June 22, 2018 9:21 AM
To: Steven Manning
Subject: Distribution Centers

Attended ILAPA seminar 6/21/18

Speaker: John Morris, VP Cushman & Wakefield (does RE development services for other companies)

- Industrial building demand nationwide is far exceeding supply for last 4 years – biggest boom in history
- Most needed type of warehouse is “fourth tier” = for “last mile” deliveries (within 2 hours of store)
- Current trend will soon dominate “black distribution center” = automated, few employees, need 32’ clear stacking space

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

August 20, 2018

City of Darien
1702 Plainfield Road
Darien, IL 60561

Attention: Steve Manning

Subject: Sterling Bay Development
1035 South Frontage Road
(CBBEL Project No. 950323.H160)

Dear Steve:

As requested, we have reviewed the Final Site Improvement Plans and supporting documents for the above property prepared by SPACEO, Inc. SPACECO is an affiliated company of CBBEL, as you know, and has previously been approved to work on private development projects in the City. The following comments shall be addressed before we can recommend final approval:

Site Improvement Plans

1. The roof drains connect to storm sewers which extend away from the building, connecting to the main site storm sewer. Each of these roof drain lines cross the watermain and therefore must meet IEPA separation requirements. Although Detail Sheet D3 provided guidance, the Utility Plan (sheet UT) must specifically call for how each crossing will be addressed (i.e. specify the pipe material for the roof drain service line).
2. On the detail sheets, specify that all storm drains have a "Dump No Waste-Drains to Waterway" imprint.

Storm Water Report

1. Prior to final approval, DuPage County must certify compliance with respect to wetland, wetland buffer, and floodplain.

Site Lighting

1. The property lines must be depicted on the Photometric Plan to verify the illumination levels do not exceed City Ordinance.
2. Glare shields should be provided for the 3 proposed lights that are to be installed on the north side of the building along the frontage road.

3. Per the attached catalog cut, the DSX1 fixtures below are Dark Sky Compliant as they are full cut off and do not allow for uplighting, nuisance lighting or glare.
4. The mounting height of the proposed luminaire is not identified in the plans. Please provide proposed mounting heights of all proposed luminaires.

General Comments

1. This property is currently three separate lots in the Darien Public Works Subdivision and Great Dane Resubdivision. We understand that it will be subdivided into a single lot, but a plat has not been submitted for review.
2. Permits are required from the following agencies:
 - a. DuPage County for sanitary sewer connection.
 - b. DuPage County Public Works and IEPA for watermain construction.
 - c. IEPA for NPDES
3. We presume the plans will be sent to the fire protection district for comment on the site layouts, hydrant placement, and building fire department.
4. An engineer's opinion of construction cost is required.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in green ink, appearing to read "Daniel Lynch".

Daniel L. Lynch, PE, CFM
Head, Municipal Engineering Department

Cc Dan Gombac – City of Darien
Brett Duffy – Spaceco, Inc.

MEMO



Phase I Environmental Site Assessment

1033 South Frontage Road
Darien, Illinois

Prepared For:
CC Industries, Inc.
222 North LaSalle Street, Suite 1000
Chicago, Illinois 60601
Attn: Mr. Steve Geist

Project Number:
11-0064-101

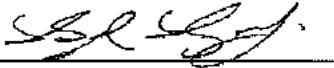
Date Submitted:
March 1, 2011

PIONEER

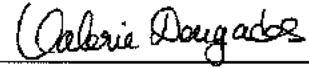
ENVIRONMENTAL SERVICES, LLC

700 N. Sacramento Blvd. Suite 101
Chicago, IL 60612
773.722.9200 Phone - 773.722.9201 Fax
www.pioneerEES.com

The following personnel have prepared and/or reviewed this report.



Boyd Raveling
Vice President
Report Reviewer



Valerie Dougados
Project Manager
Report Author

11-0064-101
Pioneer Project Number

March 1, 2011
Date

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FIGURE 1: Site Diagram

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- A. Area Map
- B. USGS Maps
- C. Aerial Photographs
- D. Property Owner/Key Site Manager Questionnaires
- E. User Questionnaire
- F. Photographic Log
- G. Environmental Database Report
- H. Qualifications

EXECUTIVE SUMMARY

Pioneer Environmental Services, LLC. (Pioneer) was engaged by CC Industries, Inc. (Client) to complete a Phase I Environmental Site Assessment (ESA) of the property located at 1033 South Frontage Road, in Darien, Illinois (subject property). The subject property, which is irregular in shape, encompasses 10.2 acres and is currently used primarily as a semi-trailer leasing facility. The site is developed with a one-story office structure (subject building-A) occupied by Trex Holdings and Lion BG, Inc. and a one-story garage/warehouse structure (subject building-B) located on its northeastern portion, and also contains a one-story office trailer that is located on its northwestern portion and occupied by Cass School District. Other site improvements include an asphalt-paved parking area situated north of subject building-A and -B and two unpaved access drives. The majority of the remaining areas of the site are covered with gravel and used primarily for truck and school bus storage purposes. Additionally, low-lying (grassy) vegetation and decorative landscaping are present on the site's northern portion. See Figure 1 for a Site Diagram.

Historical investigation indicates that the subject property was primarily undeveloped, vacant farmland prior to being developed with the subject buildings and used as a truck parking facility in the mid-1980s. Of note, a small northwesterly-located improvement was visible on the 1974 aerial photograph; however, Pioneer was unable to determine its exact nature. Additionally, unidentified surface irregularities were visible on the subject property on the aerial photographs from the late 1970s and early 1980s and "hard fill" materials were reportedly brought on site to grade the truck parking area in the past. Pioneer believes the unknown environmental condition and origin of the fill materials present beneath the subject property surface, in particular those visible in the late 1970s to early 1980s, represent a significant data gap.

Pioneer was provided with a *Phase I Environmental Site Assessment* (Phase I ESA) report, dated May 30, 2006, previously prepared for the northern and southern portions of the subject property by Industrial Environmental Management Corp. (IEM). At the time of this 2006 investigation, the majority of the site was in its current configuration, with the exception that the office trailer that was located southeast of its current location. The site had reportedly been used for trailer parking purposes since development (circa 1970s) and was leased by National Semi-Trailer Corporation and Transit Express at the time of IEM's investigation. IEM did not identify recognized environmental conditions (RECs) in association with the subject property; however, the site was classified as "Medium Risk" due to the former RCRA hazardous waste generator status of the subject property (under the name Great Lakes Kwik Space). Of note, IEM indicated that the southern portion of the site was a federally-designated wetland and was proposed to be converted into a retention pond per a City of Darien representative.

Pioneer's visual inspection of the subject property was conducted on February 22, 2011. The subject property is currently used for office purposes and as truck and school bus storage yards by Trex Holdings, LLC, Lion BG Inc. or Cass School District. According to Mr. Stephen Scherrer, owner of the northern and southern portions of the subject property, no vehicle repair or maintenance operations are conducted on site and wastes generated consist of general office-related refuse, spent batteries and used tires. General refuse

is reportedly collected in a dumpster located south of subject building-A and in various 55-gallon steel drums present throughout the truck parking area prior to being removed weekly by Waste Management.

Great Lakes Kwik Space, a former tenant of the subject property, was identified as a RCRA "small-quantity" generator (SQG) of hazardous waste (ILR000005447). Based on available on-line information, Great Lakes Kwik Space generated between 220 and 2,200 pounds of unspecified ignitable wastes ("D001") per calendar month. The first "RCRA Notification of Hazardous Waste Activity" form was reportedly submitted to the Illinois Environmental Protection Agency (IEPA) by this company in December 1996, but no records of violations or enforcement actions were found in association with this past tenant's waste handling activities. Pioneer submitted a FOIA request to the IEPA in order to obtain further information pertaining to this RCRA listing; however, a response had not been received by the time this report was submitted.

At the time of inspection, numerous truck tires, discarded retail-sized automotive fluid (i.e., antifreeze, motor oil) containers and two 55-gallon drums were lying on the ground along the perimeter of the truck storage yard and/or along the east and south adjacent site borders. In addition to the indiscriminate dumping, which also included common litter and truck parts, limited areas of stained soil/gravel were also noted throughout the parking area. Based on the visual observations and the currently available information (i.e., lack of reported spills, RCRA violations), Pioneer believes the long-time use of the subject property by truck leasing companies and the RCRA SQG listing represent a *de minimis* condition to the subject property at this time. However, as a practical matter, Pioneer recommends that all the drums of petroleum products observed on site be installed atop secondary containment units and that housekeeping and general waste disposal practices be improved to prevent future spills and potential subsurface contamination. Additionally, any petroleum/hazardous products, batteries and tires that are no longer in use at the premises should be properly removed. Lastly, Pioneer recommends that the IEPA be contacted to update the site's RCRA listing, as Great Lakes Kwik Space no longer occupies the property.

During the recent site reconnaissance, no obvious physical evidence of current UST emplacement was observed on the site. Additionally, the subject property was not identified on the Illinois Register of USTs maintained by the Illinois Office of the State Marshal (OSFM). Furthermore, no information was on file with the local building department pertaining to current or former on-site UST emplacement.

In addition to the on-site RCRA generator of hazardous waste listing (refer to preceding discussion), a review of the appropriate federal and state environmental databases revealed that one Solid Waste Landfill (SWL) facility, two registered UST sites and four leaking UST (LUST) incidents are located within the ASTM minimum search distances from the subject property. However, based on the currently available information, their distances from the subject property and the relatively impermeable nature of the regional geologic materials, Pioneer does not believe that these off-site listings represent recognized environmental conditions (RECs) to the subject property at this time.

Upon completion of this report, no RECs were identified in connection with the subject property.

The Executive Summary is intended to provide a brief overview of the findings of this investigation. It should be noted that although the Executive Summary is an integral part of a report, it should not be substituted in

lieu of reading the entire report. The entire report must be read in order to fully understand the findings and potential environmental concerns associated with the subject property.



1.0 STATEMENT OF WORK

Pioneer Environmental Services, LLC. (Pioneer) was engaged by CC Industries, Inc. (Client) to complete a Phase I Environmental Site Assessment (ESA) of the property located at 1033 South Frontage Road, in Darien, Illinois (subject property). The subject property, which is irregular in shape, encompasses 10.2 acres and is currently used primarily as a semi-trailer leasing facility. The site is developed with a one-story office structure (subject building-A) occupied by Trex Holdings and Lion BG, Inc. and a one-story garage/warehouse structure (subject building-B) located on its northeastern portion, and also contains a one-story office trailer that is located on its northwestern portion and occupied by Cass School District. See Figure 1 for a Site Diagram and Appendix A for an Area Map.

A Phase I ESA is designed to identify, to the extent feasible pursuant to the processes described by ASTM Standard Practice E 1527-05, "recognized environmental conditions" (see definition, following page) in connection with the subject property. This ASTM standard was developed in order to qualify for the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (the "Brownfields Amendments"), in an attempt to achieve "*all appropriate inquiry*." The ASTM standard also was developed to provide current owners, prospective buyers, lending institutions or other interested parties with qualified professional judgments concerning the presence or likely presence of a petroleum/hazardous substance release or substantial threat of a release of a petroleum/hazardous substance. The scope of this Phase I ESA includes a historical review of the site's development and prior use, visual inspection of the site and any associated structures and other improvements, and a review of state and federal environmental/regulatory databases for the subject site and surrounding properties in accordance with the requirements of the ASTM standard. Pioneer's Phase I ESAs are generally expanded to identify several potential "business environmental risk(s)," including a search for suspect asbestos-containing materials (ACMs), lead-based paint (LBP), and potential polychlorinated biphenyl (PCB)-containing light ballasts. Thus, the information contained within this Phase I ESA has been compiled in such a manner that meets or exceeds the recommended practices established by ASTM Standard Practice E 1527-05, except where specified within this report.

The scope of the Phase I ESA can be further expanded from outlined above as specified by the Client, or "User." Unless specifically instructed by the User as to the purpose of the Phase I ESA, Pioneer is required to assume that it is being prepared for the purpose of qualifying for the innocent landowner defense to CERCLA liability. The following specific additions or instructions were made by the User with regard to the purpose and practice of this Phase I ESA: *none*.

The following terminology and definitions are specific to the ASTM standard:

Recognized Environmental Conditions: "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in



compliance with laws. The term is not intended to include 'de minimis' conditions (see following definition)."

De Minimis Conditions: "(environmental) conditions that do not generally present a material risk of harm to health or the environment and that generally would not be subject to enforcement action if brought to the attention of appropriate governmental agencies."

Historical Recognized Environmental Conditions: "(an) environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently."

Business Environmental Risk: "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate (such as asbestos, regulatory compliance, lead-based paint issues, etc.), not necessarily limited to those environmental issues required to be investigated in this (ASTM) practice."

Findings: "known or suspect environmental conditions associated with the property, and which may include recognized environmental conditions, historical recognized environmental conditions and de minimis conditions, among other environmental conditions."



2.0 HISTORICAL REVIEW

2.1 Introduction

The historical review process is intended to provide a chronological outline of the prior uses and development of the subject property in accordance with Section 8.3 of the ASTM standard. The investigative research attempts to identify potential environmental hazards and their associations with structures or operations of the past and present. Particular attention was focused on past owners or operations that may have been involved with the generation, treatment, handling, storage, or disposal of petroleum/hazardous materials and other practices that may have led to recognized environmental conditions in connection with the subject property.

Pertinent information was collected from standard historical sources that were reasonably ascertainable. Sources reviewed on file at the University of Illinois at Chicago (UIC) Library included available Sanborn Fire Insurance Maps (Sanborn maps), which provide detailed drawings of the location and use of buildings in a given time period as early as the late 1800s; USGS 7.5 Minute Topographic Maps (USGS maps; Appendix B); and aerial photographs (Appendix C for selected aerial photographs), some of which were also available on-line. Additionally, where applicable, Pioneer reviewed local building and fire department records, tax assessor records, zoning/land use records and historical city directories. Further, Pioneer conducted interviews with persons knowledgeable of the historical use of the site. Primary sources utilized during this investigation are documented in Section 9.0 of this report. A detailed account of the sources contacted during this investigation, including the dates that information was requested and last updated, is maintained on file at Pioneer and is available upon request.

Per the ASTM standard, additional information, including chain of title records, documentation pertaining to environmental liens and/or site use limitations, specialized site knowledge, documentation pertaining to site valuation reduction for environmental issues and/or previous environmental assessments/reports, was requested from the Client, subject property owner or site occupant. A description of the documentation provided by the various entities follows.

2.2 Subject Property History

The historical sources reviewed provided the following information regarding the subject property's development:

Subject Property History

Date	Source	Description/Site Activity
1874	DuPage Plat book	The subject property was vacant land at those times and was reportedly owned by J. Dailey and W.J. Hart (northwestern portion) in 1874. Additionally, a tributary of Sawmill Creek was present in close proximity to the site (south/southeast).
1890, 1901 reprinted 1917, 1928, 1946 & 1953	USGS maps	

Date	Source	Description/Site Activity
1939	Aerial photograph	The site consisted of vacant farmland with dense vegetation present along its southern and western borders. Additionally, unpaved accessways traversing the site from north to south were visible and appeared to be associated with a northerly-located (farm) improvement.
1961	Aerial photograph	By 1961, the aforementioned accessways were no longer visible and the site appeared to be used largely for agricultural purposes.
1963	USGS map	The subject property was vacant and bound to the north by public thoroughfare.
1973	Aerial photograph	
1974	Aerial photograph	The subject property was vacant farmland; however, a small unidentified improvement was visible on the northwestern portion of the site at that time. The remaining northwestern portion of the site was covered with grass and appeared to be associated with the west adjoining property at that time.
1978 & 1980	Aerial photographs	The site appeared unimproved, but unidentified surface irregularities (i.e., stockpiles of soil/material) were visible on its central and southeastern portions on the aerial photographs.
1978	USGS map	
1987, 1988, 1990 & 1998	Aerial photographs	By 1987, the subject property was developed on its northeastern portion with subject building-A and -B. The remainder of the site was occupied by numerous truck trailers. Additionally, its northwestern portion, which remained part of the west adjoining facility, was used for parking purposes during that period.
1993 & 1997	USGS maps	The northeastern portion of the site was developed with a small square-shaped structure that corresponds to one of the current improvements.
8/22/1997	Building record	Building permit #3977/Certificate of Occupancy issued to National Semi-Trailer at 1035 South Frontage Road
4/19/1999	Building record	Building permit #4506/Certificate of Occupancy issued to Chester Gasway Maintenance at 1033 South Frontage Road
11/10/1999 & 12/10/1999	Building records	Building permits #4809 & 4834 (electrical work)/Certificates of Occupancy issued to Remlo Transportation at 1035 South Frontage Road
11/9/2000	Building record	Building permit #5180 (electrical work)/Certificate of Occupancy issued to Center Cass School District #66 at 1033 South Frontage Road
2001, 2002, 2005 & Spring 2006	Aerial photographs	An office trailer was now visible on the northwestern portion of the subject property.
3/17/2006	Building record	Building permit #8348/Certificate of Occupancy issued for interior alterations to Trex Holding, LLC at 1033 South Frontage Road
9/19/2006	Building record	Building permit #8886 (electrical work)/Certificate of Occupancy issued to Center Cass School at 1033 South Frontage Road (in trailer)
Fall 2006, 2007 & 2008	Aerial photographs	By 2006, the office trailer had been relocated, bringing the site into its general present-day configuration.
4/26/2007	Building record	Building permit #9150/Certificate of Occupancy issued to Trex Holdings at 1033 South Frontage Road
6/11/07	Building record	Building permit #S-6-14-07 issued to install a sign for Vision Trailer Leasing at 1033 South Frontage Road

As a note, Pioneer reviewed the Sanborn map collection on file at the UIC Library for the area incorporating the subject property and surrounding sites. However, the subject property and adjacent sites were not included within the mapped areas.

2.2.1 City of Darien Building Department

Pioneer submitted a Freedom of Information Act (FOIA) form to the City of Darien Clerk's Office in an effort to obtain information on file with the local building department pertaining to the subject property's historical development and use(s), including building permits and tank records, past ownerships and occupancies, hazardous/petroleum material spills or illegal dumping activities records. Pioneer obtained copies of the building records outlined in the preceding table; however, no UST records were reportedly on file for the subject property.

2.2.2 Tri-State Fire Protection District

Pioneer submitted a FOIA request to the Tri-State Fire Protection District to obtain information pertaining to the site, including tank records, hazardous/petroleum material spills or illegal dumping activities records and fire inspection reports. However, a response had not been received by this office by the time this report was issued.

2.2.3 DuPage County and Downers Grove Township Assessor's Office

Pioneer consulted the DuPage County website and contacted the Downers Grove Township Assessor's Office in an effort to obtain further information regarding the subject property. Reportedly, the subject property is comprised of three contiguous lots, with its approximate 3.77-acre central area being the eastern portion of a larger parcel identified as 1041 South Frontage Road. The following table documents information pertaining to the subject property provided by this source:

Assessor's Office Documentation

Address	Property Index Number (PIN)	Property Size (in square feet)	Property Description	Date of Construction
1033 South Frontage Road (northern portion of the site)	09-34-303-025	220,849	Developed with a one-story, 2,520-square-foot, frame building and a 2,100-square-foot metal frame structure owned by Trex Holdings, LLC since June 2006 and formerly occupied by American Interstate Leasing (circa 2004)	1984
1041 South Frontage Road (central portion of the site)	09-34-303-026	283,576	Exempt land owned by the City of Darien and developed on its western portion (off-site) with the current Public Works facility	1985
1033 South Frontage Road (southern portion of the site)	09-34-303-027	60,113	Vacant land owned by Trex Holdings, LLC since June 2006	N/A

2.3 Adjacent Site History

The historical sources reviewed provided the following information regarding the development of the adjacent sites:

Adjacent Site History

Date	Source	Description/Site Activity
1874	DuPage Plat book	The majority of the surrounding sites were vacant land; however, two, small rectangular-shaped structures, similar in appearance to barns, were depicted to the north. Additional residential/farmstead improvements were present farther northwest, and Sawmill Creek was visible farther east and south on the 1939 aerial photograph.
1890, 1901 reprinted 1917, 1928 & 1946	USGS maps	
1939	Aerial photograph	
1953	USGS map	By 1953, additional small square-shaped structures were depicted farther east.
1961	Aerial photograph	The north adjacent improvements had been demolished and replaced by South Frontage Road, followed by Interstate 55. The immediate east adjacent site was developed with a farmstead comprised of various structures and surrounded by farmland, and the south surrounding site was vacant forested land. The immediate west adjacent property was covered with low-lying vegetation, followed by South Frontage Road and an I-55 access ramp.
1963	USGS map	

Date	Source	Description/Site Activity
1973 & 1974	Aerial photographs	The west adjacent site was improved by two structures, similar in nature to a residence and associated automobile garage. No major changes were noted on the remaining surrounding sites as compared to the previous aerial photograph.
1978 & 1980	Aerial photographs	An additional narrow rectangular-shaped structure was constructed on the west adjacent site and surface irregularities were noted on the immediate east adjoining site, similar to those observed on site.
1978	USGS map	
1987, 1988 & 1990	Aerial photographs	By 1987, the west adjacent residential garage and narrow structure had been demolished and a relatively large structure was constructed on this west adjacent site that appeared to correspond of the southernmost building of the current public work facility. Numerous vehicles were also parked throughout this property at those times. Of note, the surface irregularities were no longer visible on the east surrounding site and these areas were covered with vegetation and a body of water (per USGS maps).
1993 & 1997	USGS maps	
1998, 2001, 2002, 2005 & Spring 2006	Aerial photographs	Surface irregularities were noted on the east adjacent site and the current salt shed was built on the west adjoining property.
Fall 2006, 2007 & 2008	Aerial photographs	By late 2006, the west adjacent former residential building was demolished, bringing all of the surrounding sites into their present-day configuration.

2.4 Property Owner/Key Site Manager Interview/Questionnaire

Pioneer interviewed Mr. Stephen M. Scherrer, Partner of Trex Holdings, LLC and property occupant, for information pertaining to the site. Pioneer was informed that the northern and southern portions of the subject property were acquired by Trex Holdings, LLC in June 2006, at which time the site was in its current configuration. Mr. Scherrer indicated that the subject property was developed in the mid-1970s and has consistently been used for truck parking purposes. Trex Holdings previously leased the site prior to its acquisition. Additionally, the subject property has reportedly been occupied by Lion BG, Inc. since 2008/2009 and the northwestern portion of the site has been leased for school bus storage purposes for approximately five years. Pioneer was informed that no underground or aboveground storage tanks are/were in use at the subject property and no truck maintenance operations are conducted on site. Mr. Scherrer further indicated that no petroleum/hazardous substance spills have occurred on site since acquisition and an environmental assessment was formerly conducted for the subject property (see Section 2.7).

Pioneer also submitted a Property Owner/Key Site Manager Questionnaire to Mr. Scherrer to create a foundation and preliminary history of the subject property and to obtain information regarding recognized environmental conditions. A review of the questionnaire revealed no obvious environmental concerns, with the exception of the presence of fill materials ("hard fill") brought on site approximately 30 years ago to grade the site. The questionnaire also indicated that the subject property is serviced by an on-site private well and environmental assessment was previously conducted on site. See Appendix D for a copy of the completed Property Owner/Key Site Manager Questionnaire.

As previously-cited, the central portion of the site is currently leased from the City of Darien. Pioneer also submitted a Property Owner/Key Site Manager Questionnaire to Mr. Scott Coren, City of Darien Assistant Administrator, to obtain information regarding the central portion of the subject property. A review of the questionnaire revealed the use of this area as a truck parking lot and the presence of USTs on the west adjacent site. See Appendix D for a copy of this completed Property Owner/Key Site Manager Questionnaire.

2.5 User Provided Information/Questionnaire

Pioneer requested Mr. Steve Geist, EHS Manager for CC Industries, Inc., complete the User Questionnaire, included as Appendix, Section X.3 to ASTM Standard Practice E 1527-05 (see Appendix E). The questionnaire revealed that he was not aware of the following: any environmental cleanup liens filed against the property; any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls in place at the site; any devaluation of the fair market value of the site due to the presence or presumed presence of on-site contamination; any specific chemicals present on the subject property or releases reported in association with these chemicals; or any environmental cleanups that have taken place at the site.

2.6 Chain of Title/Environmental Lien Search Reports

No chain of title or environmental lien search reports were provided to Pioneer for review. However, based on the information provided by completion of the aforementioned questionnaires, there are no known environmental liens associated with the subject property.

2.7 Previous Environmental Activity Summary

Pioneer was provided with a *Charter Phase I Environmental Site Assessment* (Phase I ESA) report, dated May 30, 2006, previously prepared for the northern and southern portions of the subject property by Industrial Environmental Management Corp. (IEM). At the time of this 2006 investigation, the majority of the site was in its current configuration, with the exception that the office trailer that was located southeast of its current location. The review of historical records, which included aerial photographs, topographic maps and interviews, indicated that the subject property was vacant land prior to its development for commercial use in the late 1970s. Reportedly, the site had been used for trailer parking purposes since development and owned by Zygmunt Real Estate, LLC since 2004. Additionally, the site was reportedly leased by National Semi-Trailer Corporation and Transit Express at the time of IEM's investigation and the site's central portion was leased from the City of Darien.

This 2006 assessment also included the review of another prior Phase I ESA report, dated February 26, 2004 and prepared by Terracon Consultants (Terracon). No recognized environmental conditions (RECs) were identified by Terracon; however, it should be noted that Terracon was provided with a 1996 Phase I ESA report prepared by EPI, Inc. that listed the following RECs: two active underground storage tanks at the adjoining Darien Public Works property; the presence of a 55-gallon drum of unknown substance; and the former on-site RCRA generator of hazardous waste listing associated with the subject property.

No visual evidence of USTs was identified on site by IEM, and no records were obtained by IEM pertaining to on-site tanks or releases. No environmental concerns were also identified in association with the on-site operations (i.e., trailers were cleaned prior to arrival, with no transport of regulated products), and no staining was noted in the vicinity of a 55-gallon hydraulic drum and automotive maintenance and sanitation chemicals



stored in the maintenance building or throughout the property. Although the subject property was listed as a generator of hazardous waste, under Great Lakes Kwik Space (a former tenant), and the immediate west adjacent Darien Public Works facility operated two active USTs, IEM indicated the on-site RCRA listing and these adjacent registered tanks did not represent a recognized environmental condition (REC) based on visual observations, the tank location (250 feet away) and/or lack of reported releases.

In conclusion, IEM did not identify RECs in association with the subject property; however, the site was classified as "Medium Risk" due to the former RCRA generator status of the subject property. Of note, IEM indicated that the southern portion of the site was a federally-designated wetland and was proposed to be converted into a retention pond per a City of Darien representative. Additionally, IEM mentioned the potential presence of asbestos-containing materials and lead-based paint due to the age of the subject buildings, and an on-site active septic tank and private well.

3.0 SITE INSPECTION

3.1 Introduction

A visual inspection of the subject property consisted of a physical walk-through of the grounds and buildings to obtain information regarding recognized environmental conditions in connection with the subject site in accordance with Section 9.0 of the ASTM standard. Particular attention was focused on, but not limited to, the nature of apparent past and present operations at and adjacent to the subject site and a specific search for certain petroleum/hazardous substances. The purpose of the inspection is to assess the potential of a release or imminent threat of a release of a petroleum/hazardous substance and/or waste based on the activities performed and observations noted.

The following sections address the observations noted during the visual inspection conducted on February 22, 2011. Ms. Valerie Dougados, Pioneer Project Manager, was accompanied by Mr. Scherrer, during the site inspection. Of note, exterior observations of the subject property were limited due to the presence of stored trailers/trucks, standing water and a light layer of snow. Additionally, Pioneer did not inspect the temporary office trailer. A photographic log for the subject property is included in Appendix F of this report.

3.2 Site Location & General Description

The subject property is located along the south side of South Frontage Road, approximately 975 feet east of Cass Avenue, in Darien, Illinois and commonly identified as 1033 and 1035 South Frontage Road. The subject property, which is irregular in shape, encompasses 10.2 acres and is currently developed with a one-story office structure (subject building-A) and a one-story garage/storage structure (subject building-B) located on its northeastern portion; additionally, a one-story office trailer is located on its northwestern portion. Other site improvements include an asphalt-paved parking area situated north of subject building-A and -B and two unpaved access drives, while the majority of the remaining areas of the site are covered with a combination of gravel, exposed soil and crushed asphalt and primarily used for vehicle (i.e., trucks, automobiles and school buses) storage purposes. Additionally, low-lying (grassy) vegetation and decorative landscaping are present on the site's northern portion and a chain link fence surrounds the majority of the central and southern portions of the site. See Figure 1 for a Site Diagram.

No strong, pungent or noxious odors were noted on or adjacent to the subject property at the time of inspection, with the exception of truck diesel fuel emissions. Pioneer did not observe catch basins or sewer/sanitary manholes on the subject property, and no obvious signs of distressed vegetation were noted at the time of the site reconnaissance. However, numerous truck tires, discarded retail-sized automotive fluid (i.e., antifreeze, motor oil) containers and two 55-gallon drums were lying on the ground along the perimeter of the truck storage yard and/or along the east and south adjacent site borders. In addition to the indiscriminate dumping, which also included common litter and truck parts, limited areas of stained soil/gravel were also

noted throughout the parking area, although, as previously cited, exterior visual observations were reduced due to snow cover and standing water.

3.3 Surrounding Properties

According to the on-line City of Darien Zoning Map, the subject property is located in a General Industrial District (zoned "I-1"). The surrounding sites are mixed-use in nature, and the following provides a summary of the adjacent properties noted during the recent site inspection:

Adjacent Sites

Location	Site Improvements	Environmental Database Listings
North	The subject property is bordered to the immediate north by South Frontage Road, followed by Interstate 55 (I-55).	None
East	The subject property is bordered to the east by a single-family residence and associated barns that appeared unoccupied and was surrounded by vegetated land.	None
South	The subject property is bordered to the immediate south by Waterfall Glen Forest Preserve.	Registered UST site (19W511 South Frontage Road)
West	The subject property is bordered to the immediate west by a City of Darien Public Works facility (1041 South Frontage Road) and South Frontage Road (northwest), followed by an I-55 access ramp.	Registered UST site (1041 South Frontage Road)

No obvious environmental concerns (i.e., staining or other evidence of the mishandling of petroleum/hazardous substances) associated with the adjoining tenants and/or operations were identified during the limited visual inspection of the remaining surrounding sites; however, the west and south adjacent properties were identified as registered UST sites (see Section 4.2 for additional information).

3.4 Physical Setting

The topography of the subject property and adjacent sites is relatively level, with no significant natural relief features. According to the most recent USGS map available, dated 1997, the elevation of the subject property is approximately 675 feet above mean sea level. Based on further interpretation of this map, localized groundwater is expected to flow in a southerly/southeasterly direction, towards Sawmill Creek (note: site-specific conditions may vary due to a variety of factors, including geologic anomalies, utilities, nearby pumping wells [if present] and subsurface structures and/or developments).

Pioneer reviewed Plate 1 of the ISGS Circular, dated 1984 and titled *Potential for Contamination of Shallow Aquifers in Illinois* (Berg, et al.), indicating that the regional geologic materials underlying the subject site are designated as "E"-type soil. An "E" classification is described as containing uniform, relatively impermeable silty or clayey till at least 50 feet thick with no evidence of interbedded sand or gravel.

3.5 Site Improvements

As mentioned, the subject property is improved by two, one-story commercial structures (subject building-A and -B) that were constructed in 1984 and a temporary office trailer (not inspected).

Subject building-A, which is situated on the northeastern portion of the site, consists of a one-story wood frame structure constructed atop a concrete slab foundation. Subject building-A, which is rectangular in shape, encompasses approximately 2,500 square feet and is accessed via entrances situated along its north, south and west elevations. Subject building-A is partitioned into two commercial units comprised of office spaces, with restrooms, lunchroom and mechanical/utility rooms. Flooring in subject building-A consists of vinyl tiles and carpeting; walls consist of drywall; and ceilings consist of 2' x 4' drop acoustical tiles. A floor drain was observed near the hot water heater, but no unusual odor or staining was noted in its vicinity at the time of inspection.

Subject building-B, which is located east of subject building-A, is a one-story steel frame structure constructed atop a concrete slab foundation. Subject building-B, which is rectangular in shape, encompasses approximately 2,100-square feet and is accessed via doorways situated along its west elevation and overhead doors are present along its north and south walls. Subject building-B consists of an open space used primarily for storage purposes, and the walls and ceiling are covered with insulating materials. Oily staining, apparently from a former parked/leaky vehicle, was present on the floor slab, but the concrete was in generally sound condition, with no major cracks or seam breaks that could serve as migratory pathways for potential contaminants.

3.6 Site Utilities

Subject building-A is heated by a natural gas-powered, free-standing furnace and cooled by an air-conditioning unit (condenser) powered by electricity and installed along its north exterior wall. Heat is supplied to subject building-B via two, ceiling-mounted, natural gas-fired space heaters. The following table describes utilities provided to subject building-A:

Site Utilities	
Utility	Provider
Sanitary and Sewer Systems	Septic tank and associated field (located northeast of subject building-B)
Non-Potable Water	Private on-site well (located west of subject building)
Natural Gas	Nicor
Electricity	Commonwealth Edison (ComEd)

As outlined in the preceding table, the subject buildings are serviced by an on-site private well located west of subject building-A. Pioneer was informed that no drinking water testing activities have been performed on site since acquisition, although there are no known water quality issues. Subject building-B and the office trailer are not connected to the septic system and no water is provided to the office trailer. The office trailer is equipped with two, electrical-powered HVAC units installed along its exterior walls.

3.7 Facility Operations & Wastes

As mentioned, the subject property is currently used for office purposes and as truck and school bus storage yards by Trex Holdings, LLC, Lion BG Inc. and/or Cass School District. According to Mr. Scherrer, no vehicle repair or maintenance operations are conducted on site and wastes generated consist of general office-related refuse, spent batteries and used tires. General refuse is reportedly collected in a dumpster located south of subject building-A and in various 55-gallon steel drums present throughout the truck parking area prior to being removed weekly by Waste Management. As previously mentioned, housekeeping practices were in poor order, with numerous empty automotive maintenance fluid containers dumped along the eastern, southern and western borders of the storage yards.

Great Lakes Kwik Space, a former tenant of the subject property, was identified as a RCRA "small-quantity" generator (SQG) of hazardous waste (ILR000005447). Based on available on-line information, Great Lakes Kwik Space generated between 220 and 2,200 pounds of unspecified ignitable wastes ("D001") per calendar month. The first "RCRA Notification of Hazardous Waste Activity" form was reportedly submitted to the Illinois Environmental Protection Agency (IEPA) by this company in December 1996, but no records of violations or enforcement actions were found in association with this past tenant's waste handling activities. Pioneer submitted a FOIA request to the IEPA in order to obtain further information pertaining to this RCRA listing; however, a response had not been received by the time this report was submitted.

3.8 Underground Storage Tanks

Underground storage tanks (USTs) that exist or previously existed at sites may represent a potential environmental risk due to the possibility of tank system failures and/or spills and overfills. An inspection was conducted at the subject property in order to identify the location of any USTs that exist or may have existed. Specific attention was focused on visual indications of equipment associated with USTs, such as fill or vent piping, dispensers, dispenser islands, or evidence of excavations. Information for the UST investigation was gathered from the visual inspection, personal interviews, the local municipal agencies, and the Illinois Register of USTs.

3.8.1 Subject Property Underground Storage Tanks

During the recent site inspection, no obvious physical evidence of current UST emplacement was observed on the site. Additionally, the subject property was not identified on the Illinois Register of USTs maintained by the Illinois Office of the State Marshal (OSFM) and no information was on file with the local building department pertaining to current or former on-site UST emplacement.

3.8.2 Adjacent Property Underground Storage Tanks

Pioneer performed a visual inspection of the exterior portions of the surrounding properties from the subject property's borders and public thoroughfares and observed two vent pipes along the east

elevation of the west adjacent City of Darien Public Works's facility (1041 South Frontage Road). Additionally, two fuel dispensers were present north of this structure, approximately from the subject property. This adjacent site was identified on the Illinois Register of USTs; see Section 4.2 for additional information pertaining to this adjacent site and its associated tank systems.

No obvious evidence of UST emplacement was noted on the remaining adjacent sites; however, the south adjacent Waterfall Glen Forest Preserve property was also identified on the Illinois OSFM database (see Section 4.2 for additional information).

3.9 Other Petroleum/Hazardous Substance Storage

At the time of the recent inspection, Pioneer observed the following petroleum/hazardous substances on site:

Petroleum/Hazardous Substance Material Storage

(Quantity) Size of container	Contents	Location	Secondary containment	Visual observations
(4) 55-gallon drums	Unknown (no label, but likely waste motor oil)	Southeast of the office trailer	Yes	Minor staining
(2) 55-gallon drums	Unknown (no label and covered with tarp)	South of the office trailer	No	No staining (in use)
(2) 55-gallon drums	Unknown (no label)	Along the southern border of the subject property	No	Staining on discarded drums lying on side
(Several) 5-gallon plastic safety cans	Diesel fuel and gasoline	In subject building-B and adjacent to the office trailer	No	Minor staining
(Several) retail-sized containers (i.e., gallon, quart, and/or pint)	Paint, hydraulic oil, motor oil	Subject building-B and near the office trailer	No	No staining
(Numerous) retail-sized containers (i.e., gallon, quart, liter and/or pint)	Formerly various automotive fluids (i.e., antifreeze, motor oil, lubricant)	Along the eastern, southern and western borders of the truck parking area	No	No staining

As outlined in the preceding table, no to minor staining was observed beneath the petroleum substance containers located on site.

3.10 Asbestos-Containing Materials

This section addresses a potential environmental concern beyond the scope of ASTM Standard Practice E 1527-05. Restrictions for asbestos use in building materials became more stringent in the 1970s, and the use of friable and sprayed-on asbestos was prohibited in 1978 by the Environmental Protection Agency with the passage of the National Emission Standards for Hazardous Air Pollutants (NESHAP). Friable and sprayed-on asbestos-containing materials (ACMs) are easily crumbled or pulverized and therefore easily made airborne. Friable ACMs are a potential health hazard. Non-friable ACMs are not a major concern unless they become airborne by such processes as sanding, drilling, milling, cutting, etc. during renovation or demolition. As a note, the 1990 ban on non-friable ACMs was revised in 1993. The revised ban applies only to (1) any new uses of asbestos, and (2) materials for which manufacturing, importing or processing was

discontinued prior to July 12, 1989. Products that are no longer subject to the ban include, but are not limited to, vinyl asbestos-containing floor tile, asbestos-cement shingles and roofing felt.

A comprehensive asbestos survey is beyond the scope of this Phase I ESA. The asbestos survey conducted at the subject property was limited to an inspection of readily-accessible interior areas and was not intended to be utilized for building renovation or demolition purposes. Particular attention was focused on identifying asbestos-containing insulation, plaster materials, floor tiles, and sprayed or troweled-on structural coverings. Sampling and analysis were not included as part of this investigation.

Pioneer identified drywall (and associated tape/joint compound), 12" x 12" vinyl floor tiles (and associated mastic), and 2' x 4' drop-panel acoustic ceiling tiles, materials that are generally considered suspect ACMs in subject building-A. At the time of the recent site inspection, these materials were in fair condition, with isolated areas of water-damaged ceiling tiles. Based on the date of construction of this structure (1984), Pioneer believes it is unlikely that these building materials contain asbestos. However, a review of original building supply lists, manufacturer's documentation, and/or analytical testing would be necessary to confirm this contention. Of note, insulating materials also covered the interior walls and ceiling of subject building-B.; however, this material was composed of fiberglass.

3.11 Lead-Based Paint

The use of lead-based paint (LBP) was widespread in the construction industry prior to 1973 due to its durability. At that time, amendments to the Lead Based Paint Poisoning Prevention Act established the allowable level of lead in paint to 0.5 percent by weight of dry sample. This limit was implemented to eliminate the hazard of LBP in housing. LBPs can exist on any painted surface. Such paint, if properly maintained and in good condition, poses little risk. However, damaged or deteriorated surfaces can present a health threat, especially to children under six years of age. Chipping or peeling paint poses a threat if ingested; however, the greatest danger lies in the inhalation of dust particles. Lead dust particles, frequently associated with deteriorating LBP, can be brought to the surface by moisture or can be released by friction or by frequent impact on surfaces such as windows and door frames.

A comprehensive LBP survey is beyond the scope of this Phase I ESA. The LBP survey conducted at the subject property was necessarily limited to a visual inspection of readily accessible interior areas. Particular attention was focused on identifying deteriorated areas of painted surfaces and frequent impact surfaces such as window and door frames. Bulk sampling and analysis of suspect LBPs were not included within the scope of this survey.

The painted surfaces observed in sound condition in the subject buildings are not considered potential sources LBP based on their reported date of construction (1984).

3.12 Polychlorinated Biphenyl Compounds

The use of Polychlorinated Biphenyl (PCB) compounds was widespread in various manufacturing and industrial applications due to their superior dielectric, lubricating and fire-retardant properties prior to their federal ban in 1979. Pioneer's focus has been limited to the more common potential PCB sources, which include dielectric fluids used in electrical equipment, such as transformers and capacitors, unless otherwise stated.

One pole-mounted electrical transformer was located along the northern border of the subject property. The transformer appeared to be in fair condition, with minor rusting, but no evidence of oil staining or leakage was noted on or below the unit. According to information previously received from ComEd, which owns and maintains this equipment, all ComEd transformers in the northern Illinois area were replaced or tested by 1988 and should now be considered "non-PCB." Therefore, Pioneer does not believe that this electrical transformer represents a significant environmental concern to the subject property at this time.

The ballasts associated with fluorescent light fixtures are also possible sources of PCBs depending on their specific manufacturer and the date of manufacture. Equipment containing PCBs that is old, neglected, or damaged may leak and is therefore potentially hazardous depending on the actual PCB content and the specific PCB isomer involved. As a result, Pioneer includes a discussion of this equipment although this specific potential source of PCBs is beyond the scope of the ASTM standard.

Fluorescent light fixtures, which appeared to be in sound condition, were observed in the subject buildings, but the ballasts are not considered potential sources of PCBs based upon their apparent date of installation (1984).



4.0 ENVIRONMENTAL DATABASE REVIEW

4.1 Introduction

The purpose of this section is to identify sites within a prescribed distance from the subject property that are listed on standard environmental databases that may have a potential impact on the subject property in accordance with Section 8.2 of the ASTM Standard. The following is a list of federal and state databases searched for the area surrounding the subject property; the search distances are noted in parenthesis.

NPL:	The National Priorities List (NPL) is a federal list of abandoned or uncontrolled hazardous waste sites identified for priority remedial action under the Superfund program (1.0 mile).
CERCLIS:	The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is a compilation of the sites that the EPA has investigated or is currently investigating, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), for a release or threatened release of a hazardous substance. It also includes abandoned or uncontrolled waste sites identified under the federal Superfund program (0.5 mile). Sites that have been investigated and subsequently de-listed from CERCLIS are designated as "No Further Remedial Action Planned" (NFRAP) sites (0.5 mile).
RCRIS:	The Resource Conservation and Recovery Information System (RCRIS) is a listing of facilities that are regulated by the Resource Conservation and Recovery Act (RCRA). RCRIS lists facilities that treat, store or dispose (TSD) of hazardous waste (0.5 mile) and identifies hazardous waste handlers with corrective action (CORRACTS) activity (1.0 mile). RCRIS also lists small-quantity generators (SQGs) and large-quantity generators (LQGs) of hazardous waste (subject and adjacent properties).
ERNS:	The Emergency Response Notification System (ERNS) records and stores information on reported releases of oil and hazardous substances (subject property only).
UST:	The Underground Storage Tank (UST) database lists USTs registered with the Office of the State Fire Marshal (subject property and adjacent properties).
LUST:	The Leaking Underground Storage Tank (LUST) records contain an inventory of LUST incidents reported to the state (0.5 mile).
STATE:	The State Site database/State Category List (SCL) database, which is no longer active, was compiled by the Illinois EPA (IEPA) and includes sites identified for investigation or remediation. The SCL is the state equivalent to the NPL or CERCLIS (1.0 mile).
SRP/VCP:	The Illinois Site Remediation Program (SRP) includes properties that are enrolled in the state Voluntary Clean-Up Program (VCP) (0.5 mile).
IC/EC:	The Institutional Control/Engineering Control (IC/EC) databases are compiled from information provided by the USEPA and IEPA and include properties that are listed on the SRP database or that are identified on the Brownfield Management System (BMS) database and have IC/EC (subject property).
SWL:	The Solid Waste Landfill (SWL) records typically contain an inventory of solid waste disposal facilities or landfills, active or inactive, in a particular state (0.5 mile).
BROWNFIELDS:	The Brownfields database is compiled by the USEPA and identifies, by definition, real properties for which the expansion, redevelopment or reuse may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminant (0.5 mile).



It should be noted that the subject property and adjacent sites are not listed on the Tribal Lands database, which includes lands administered by American Indian tribes or federally-administered lands within an Indian reservation. As a further note, a Freedom of Information Act (FOIA) request would be required to obtain more information concerning the compliance status of any of the sites identified during the environmental database review. This request may take two to four weeks to obtain. As a matter of standard practice, Pioneer would require client authorization prior to initiation of the process. Any pertinent information subsequently received would then be forwarded to the client and amendments, if warranted, to any recommendations made in this report would be evaluated at that time.

4.2 Federal & State Notifiers/Listings

FirstSearch Technology Corporation (FirstSearch) provided regulatory information for the site and surrounding properties in a radius map report. Properties/listings identified in the *Environmental FirstSearch™ Report* within the ASTM minimum search distances from the subject property include one RCRA generator of hazardous waste, one SWL facility, two registered UST sites and four LUST incidents. Specific information regarding the listings can be found in the database report, which is included as Appendix G. Distances of some of the listed sites have been adjusted based upon field observations and the actual borders of the subject property. As a further note, non-geocoded/orphan sites were identified in the FirstSearch report, but none of these listings appeared to be associated with the subject or any immediate adjoining properties.

As previously mentioned, the subject property is listed on the RCRA-SQG of hazardous waste database under the facility identification ILR000005447 and name Great Lakes Kwik Space, a former occupant. Refer to Section 3.7 for further details.

The off-site listing in closest proximity to the subject property is associated with the immediate west adjacent site, at 1041 South Frontage Road. This site was identified on the Illinois Register of USTs (#2034534), under the facility name City of Darien, the current occupant. Pioneer visited the Illinois Office of the State Fire Marshal (OSFM) in order to obtain information pertaining to the status of the USTs registered at this location. According to this source, a 6,000-gallon gasoline UST and a 12,000-gallon diesel fuel UST, which were installed in 1986, are presently in use at this public works facility, and the current tank bed and associated pump stations were observed on the central portion of this property, approximately 130 feet from the subject property. No release has apparently been reported in association with these tank systems to date, as this site was not identified on the LUST incident database, and the USTs were in compliance at the time of the OSFM's last inspection in January 2010.

The immediate south adjacent site is occupied by the far northeastern portion of the Waterfall Glen Forest Preserve. This property encompasses over 2,400 acres and is listed on the Illinois Register of USTs (#2024660) under the address 19W511 Frontage Road, with a 550-gallon diesel fuel UST that was removed in October 1988. Although the exact location of the tank is unknown, Pioneer believes it is unlikely that this equipment was located in close proximity to the site, as the area immediately south of the subject property has consistently been wooded land with no obvious improvements.



The remaining sites/listings identified within the ASTM minimum search distances are located in excess of 2,100 feet from the subject property. Based on their distance and the relatively impermeable nature of regional geological materials, Pioneer does not believe that these environmental listings represent recognized environmental conditions to the subject property at this time.

5.0 FINDINGS AND OPINIONS

Based on the information gathered during this Phase I Environmental Site Assessment, within the scope of this investigation and pursuant to the requirements of ASTM Standard Practice E 1527-05, the following findings and opinions are presented below:

1) *Recognized Environmental Conditions:*

- None

2) *Historical Recognized Environmental Conditions:*

- None

3) *De Minimis Conditions:*

- The majority of the subject property has been used for truck and trailer storage and staging purposes since its development in the mid-1980s, and the subject property was identified on the RCRA SQG of hazardous waste database in association with a former occupant (refer to Section 3.7). Although Pioneer observed numerous discarded materials, including empty retail-sized plastic automotive fluid containers and 55-gallon drums of unknown contents, along the eastern, southern and western borders of the site during the recent site reconnaissance, the visual observation did not reveal areas of heavy staining or other signs of recent significant petroleum product releases. Therefore, based on the currently available information (i.e., lack of reported spills or RCRA violations), Pioneer believes the long-time use of the subject property by truck leasing companies for vehicle/trailer parking purposes and its associated RCRA SQG listing represent a *de minimis* condition to the subject property at this time. However, as a practical matter, Pioneer recommends that all the drums of petroleum products observed on site be installed atop secondary containment units and that housekeeping and general waste disposal practices be improved to prevent future spills and potential subsurface contamination. Additionally, any petroleum/hazardous products, batteries and tires that are no longer in use at the premises should be properly removed. Lastly, Pioneer recommends that the IEPA be contacted to update the site's RCRA listing, as Great Lakes Kwik Space no longer occupies the subject property.
- The immediate west adjacent site, at 1041 South Frontage Road, is listed on the Illinois Register of USTs (#2034534) with two USTs. (refer to Section 4.2). However, based on the available information (i.e., lack of inclusion on the LUST incident database), the minimum distance of the tanks (at least 130 feet) and the relatively impermeable nature of geological materials, Pioneer believes that these adjacent USTs represent a *de minimis* condition to the subject property at this time.
- The immediate south adjacent Waterfall Glen Forest Preserve is listed on the Illinois Register of USTs with a 550-gallon diesel fuel UST that was removed in October 1988. Based on the closed status of the tank, the lack of reported release (i.e., LUST incident), the apparent distance of the tank system



and the relatively impermeable nature of geological materials, Pioneer believes that this site represents a *de minimis* condition to the subject property at this time.

4) *Data Gaps:*

- The review of historical aerial photographs revealed surface irregularities on the subject property in the late 1970s and early 1980s. Additionally, "hard fill" materials were reportedly brought on site to grade the truck/trailer parking area in the past. Pioneer believes that the unknown environmental condition and origin of the fill materials present beneath the subject property surface, in particular those visible in the late 1970s to early 1980s, represent a significant data gap.
- No information was received from the IEPA pertaining to the site's RCRA listing or from the local fire protection district by the time this report was issued. Pioneer was also not provided with title/environmental lien search, and visual observations of exterior portions of the subject property were limited due to the presence of trucks/trailers and a light snow cover. Furthermore, no specific information was available pertaining to the use of a small structure improved on the northwestern portion of the site on an aerial photograph from the mid-1970s. However, based on the available information, these data gaps were not deemed to be significant. Of note, if information subsequently received alters the findings of this report, it will be amended accordingly.



6.0 CONCLUSIONS

Pioneer Environmental Services, LLC. has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the property located at 1033 South Frontage Road, in Darien, Illinois. Any exceptions to, or deletions from, this practice are expressed herein. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the subject property.



7.0 CLOSING REMARKS

Pioneer warrants that the findings and conclusions contained herein have been promulgated in accordance with ASTM Standard Practice E 1527-05, *Phase I Environmental Site Assessment Process*, only for the site described in this report. No environmental assessment can eliminate the uncertainty regarding the potential for recognized environmental conditions in connection with a property. The Phase I ESA is designed to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property.

Due to the limited nature of the work, there is a possibility that conditions may exist which could not be identified within the scope of the assessment, or which were not apparent at the time of the report preparation. The scope of the Phase I ESA does not include the sampling or analytical testing of substances encountered at the subject site. Consequently, a subsurface investigation would be necessary in order to analytically determine the environmental condition of the subject site.

Pioneer is not responsible for independently verifying the information provided. Further, Pioneer cannot be held responsible if the user, current owner or key site manager does not communicate to Pioneer any specialized knowledge or experience that is material to recognized environmental conditions in connection directly or indirectly with the subject property.

This report has been prepared for the use of the Client identified in the report and cannot be relied upon by other persons or entities without the permission of Pioneer. The observations and conclusions contained herein are limited by the scope and intent of the work mutually agreed upon by the Client and Pioneer and the work actually performed. Pioneer believes the findings and conclusions provided in this report are reasonable. However, no warranties are implied or expressed.

Pioneer appreciates the opportunity to be of service to you on this project. We hope this information meets your needs at this time. If you have any questions regarding this initial assessment, please contact us at (773) 722-9200.



8.0 ENVIRONMENTAL PROFESSIONAL DECLARATION

I, Valerie Dougados, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I, Valerie Dougados, have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in cursive script that reads "Valerie Dougados".

Valerie Dougados
Project Manager

9.0 REFERENCES

- Berg, et al. *Potential for Contamination of Shallow Aquifers in Illinois*: Illinois State Geologic Survey Circular 532. Champaign: ISGS, 1984. Plate 1.
- City of Darien Clerk's Office. FOIA Response (building department records). February 23, 2011.
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- Downers Grove Township Assessor Office. On-line and FOIA Response. February 17, 2011.
- DuPage County GIS. 1978, 1987, 1998, 2002, 2006 & 2008 Aerials. On-line.
- FirstSearch Technology Corporation. *Environmental FirstSearch™ Report*, 1033 South Frontage Road., Willowbrook, IL 60527. February 16, 2011.
- Geist, Steve. EHS Manager for CC Industries, Inc.. Completion of User Questionnaire. February 23, 2011.
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- Illinois Natural Resources Geospatial Data Clearinghouse. 1939 On-line Aerial Photograph.
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- Microsoft® Research Maps. 1998 & 2002 Aerial Photographs. On-line.
- NETROnline. 1939, 1961, 1974, 1988, 1998, 2002, 2005 & 2007 Aerial Photographs. On-line.
- Northeastern Illinois Planning Commission. 1980, 1990 & 2001 Aerial Photographs. UIC Library. Docs/Maps Dept.
- Right-To-Know Network (RTKN). On-line database.
- Sanborn Map Company. Sanborn Fire Insurance Maps. Microfilm. UIC Library.
- Scherrer, Stephen. Partner of Trex Holdings, LLC (subject property owner and occupant). Interview & Completion of Property Owner/Key Site Manager Questionnaire. February 22 & 18, 2011, respectively.
- Thompson Bros. and Burr. 1874 DuPage County Plat Book. On-line.
- Tri-State Fire Protection District. FOIA Request. February 17, 2011.
- United States Geological Survey. *7.5 Minute Series Topographic Map Sag Bridge Illinois Quadrangle*. UIC Library. Docs/Maps Dept. & On-line.

FIGURE 1

Site Diagram

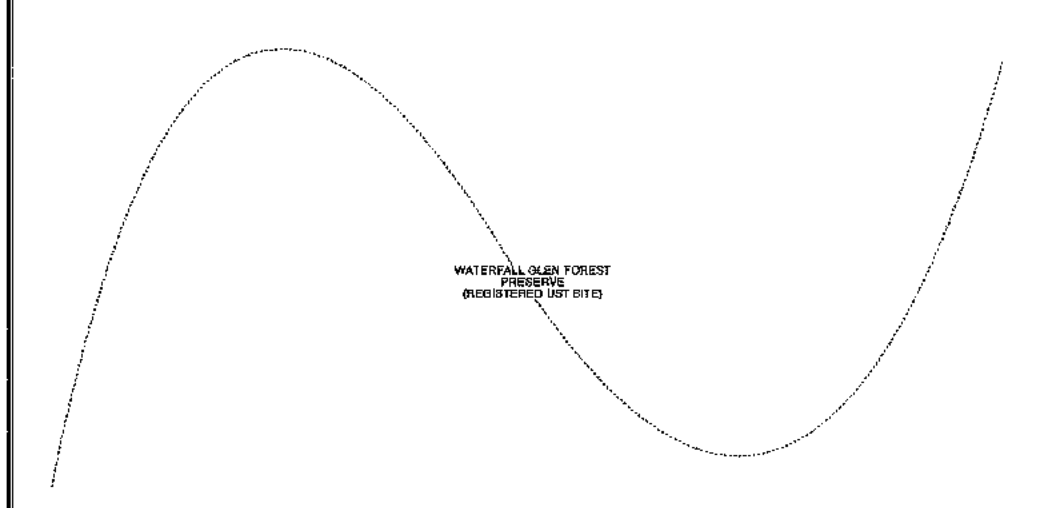
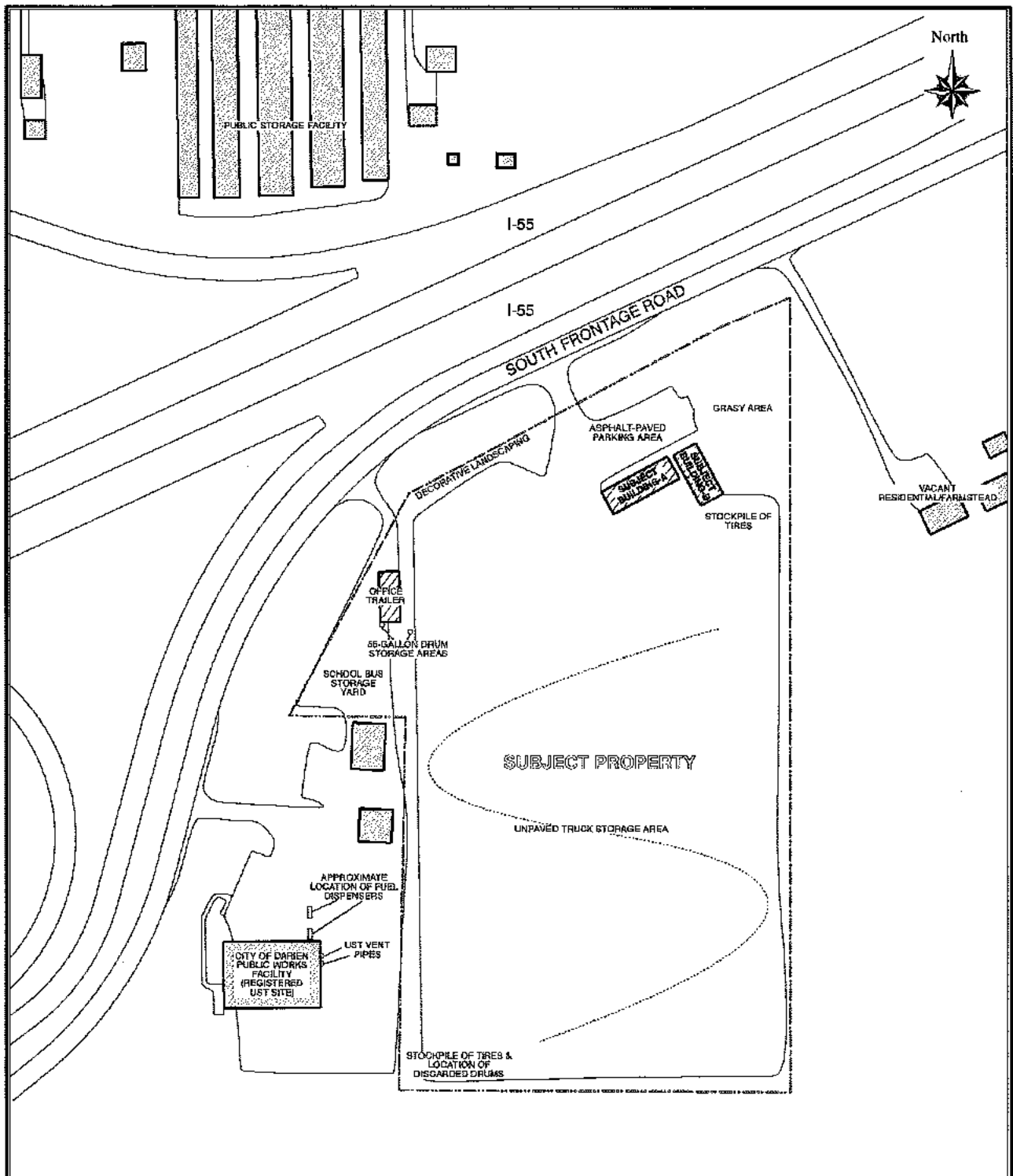


FIGURE 1
Site Diagram
1033 South Frontage Road
Darien, IL

Scale: 1"=120'

Drawn by: Jackson Tolmay

Job No: 11-0004-101

Date: February 2011

Checked by: Victoria Douglas

Legend:

Approximate Property Line

PIONEER
 ENVIRONMENTAL SERVICES, LLC



**MINUTES
CITY OF DARIEN
PLANNING & ZONING COMMISSION MEETING
July 18, 2018**

PRESENT: Lou Mallers, Chairperson, Michael Desmond, Robert Erickson, Brian Gay, Brian Liedtke, John Laratta, Ralph Stompanato, Steven Manning - City Planner

ABSENT: Robert Cortez, Mary Sullivan

Chairperson Mallers called the meeting to order at 7:00 p.m. at the City Hall – City Council Chambers, Darien, Illinois and declared a quorum present and swore in the audience members wishing to present public testimony.

Commissioner Laratta announced that he was a member of Post 2838.

REGULAR MEETING:

A. Public Hearing Case: PZC 2018-05 801 Plainfield Road (VFW) Petitioner Darien VFW Post 2838, as lessee of Suite 12 in the building at 801 Plainfield Road, seeks approval of a special use zoning permit to operate an eating establishment with a bar serving alcohol.

Mr. Steve Manning, City Planner reported that the petitioner, the VFW operated a drinking establishment at 7515 Cass Avenue in the former Heritage Plaza in 2013. He reported that they are proposing to operate a business with five video gambling stations and a bar and lounge serving alcohol and prepared food. Mr. Manning reported that the VFW intends to use the revenue generated for veteran assistance and community service programs.

Mr. Matt Goodwin, VFW Post 2838 Quartermaster, reported that the VFW has been in Darien since 1985 providing scholarships to schools, students, Women's Club, Rotary Club, etc. He stated that they are trying to improve fundraising efforts.

Mr. Goodwin stated that veterans are unaware that the group exists and that the old days of standing on the corner asking for donations to support the program is dangerous.

Commissioner Laratta questioned why the video gambling.

Mr. Goodwin stated that bingo and pull tabs are used but that the legalization of video gambling allows the VFW another opportunity for fundraising. He stated that the money collected will not go into anyone's pocket and that every dollar will be used for the veterans.

Commissioner Desmond questioned what approval is being requested.

Mr. Goodwin said that the City Council has created a class of liquor licenses for non-profit organizations, however the City cannot issue a liquor license to the VFW until the zoning is approved for their location. The VFW application for a video gambling license cannot be approved by the state until the VFW has a city liquor license.

Mr. Manning reported that the City zoning code does not regulate video gambling. The location sought by the VFW is zoned B-1, which City zoning allows eating establishments as a special

use but does not allow liquor only establishments. The VFW petition being presented here is for a special use for an eating establishment, which by definition can include the serving of liquor.

Commissioner Laratta questioned the VFW intent to use proceeds from this establishment to purchase or build a new building. He also stated that the VFW will receive 34% of the gambling proceeds and asked what percentage will come from liquor sales.

Mr. Goodwin stated that he did not have any percentage data.

Commissioner Laratta stated that the project is good but he stated that other groups could do the same. He questioned the sales tax and revenue for the VFW and that there is nothing concrete and that they will have a "slush fund".

Mr. Goodwin stated that "slush fund" is a gross mischaracterization. He stated that the VFW files the 990 IRS form regarding funding and who benefits and that it is all public record.

Commissioner Laratta questioned the end result? He stated that there are going to be 9 gaming locations in Darien.

Commissioner Desmond stated that the gaming aspect of this establishment is not something the PZC has any jurisdiction over. He stated that this is about the special use for an eating establishment.

Commissioner Liedtke questioned the hours.

Mr. Goodwin stated that they have restricted the hours from 11:00 am - 11:00 pm and that they will probably not stay open that late.

Commissioner Erickson questioned how frequently the programs benefit.

Mr. Goodwin stated it would be immediate and that traditional fundraising is dwindling.

Commissioner Desmond questioned if there would be prepackaged food and if the VFW intends to have a full service kitchen.

Mr. Goodwin stated that they do not plan to have a full service kitchen with a small facility and that it will not be the type of restaurant serving prepared food.

At 7:27 pm Chairperson Mallers closed the discussion portion of the public hearing.

Commissioner Desmond questioned if the liquor and gaming is already approved.

Mr. Manning stated that gaming is regulated by the State and that the City approves business licenses subject to zoning.

Mr. Goodwin stated that years back the liquor license was signed and that they did not pursue the gaming license but that with this location the VFW asked for it and the City Council approved.

There was no one in the audience wishing to present public comment.

Commissioner Liedtke made a motion and it was seconded by Commissioner Stompanato to approve the special use as presented for eating establishment in the B-1 District.

Upon roll call vote, THE MOTION CARRIED 7-0.

Mr. Manning reported that this would be forwarded to the Municipal Services Committee on July 23, 2018 and to the City Council on August 6, 2018.

B. Public Hearing Case: PZC 2018-06 1035 S. Frontage Road (Sterling Bay) Petitioner Sterling Bay, a company with contract to purchase property at 1035 S. Frontage Road, seeks approval of a variation to Section 5A-9-4-8 of the Darien Zoning Code that otherwise requires a 35 foot building height for their proposed warehouse.

Commissioner Desmond stated that he and the attorney Peter Tsantilis representing Sterling Bay were partners for years and that because of this he recuses himself from voting.

Mr. Steve Manning, City Planner reported that the petitioner has contracted to purchase three lots to build a warehouse for sale or lease, which is a permitted use in the I-1 District. He reported that the site was formerly developed for a trucking cartage business. He further reported the petitioner is requesting a variation for building height of approximately 39 feet where 35 feet is required. Mr. Manning stated that this approval is for height variance only and that legal notice was published, mailed, and posted.

Mr. Peter Tsantilis, attorney representing the petitioner stated that they are proposing a 153,000 square foot building. He displayed a rendering of the proposed building.

Mr. Matt Lucas, Project Manager for Sterling Bay described the dimensions and stated that the building exterior height is proposed at 39 feet which gives an interior clearance floor to ceiling of 32 feet for racking space. He stated that 32 feet inside meets the storage needs of their targeted market.

Mr. Jeff Fischer, Real Estate Executive representing the petitioner, stated that Sterling Bay would like to build the facility with today's standards. He stated that the facility located on Lemont Road has the same height as what is proposed and that the lower buildings are the buildings that tend to be vacant.

Commissioner Erikson questioned if they are proposing to build more in the area and Mr. Fischer reported that just the one in Darien.

Commissioner Laratta questioned the traffic back and forth on Frontage Road.

Mr. Fischer reported that most of the traffic will come off of Cass Avenue.

Commissioner Gay questioned if the City anticipates any other variations.

Mr. Manning reported that there are no other variations requested.

Mr. Lucas reported that KLOA conducted a traffic study and concluded that there is no need for further signaling. He reported that the study was submitted to the City and that the usage does not necessitate a light.

Chairperson Mallers questioned if an additional traffic study is necessary.

Mr. Manning reported that the City evaluates existing conditions and still has an opportunity to require traffic controls if warranted. He reported that the site plan will be sent to the Tri-State Fire Protection District and that they will be reviewing.

Commissioner Laratta questioned the number of docks in the building.

Mr. Fischer stated that it will depend on the tenant but that there is the ability to put in 30.

Chairperson Mallers opened the meeting to anyone wishing to present public comment.

Mr. Pete Maslowski, Willowbrook questioned if there was a similar warehouse in the area.

Mr. Fischer stated that the building will be similar to the warehouse at 7879 Lemont Road.

Mr. Manning reported that the building on Lemont Road appears taller because of the ground elevation is about 10 feet above Lemont Road, whereas the floor elevation planned by Sterling Bay would be 2-7 feet lower than S. Frontage Road.

Mr. Brett Duffy, SpaceCo reported that the building will not be elevated like the Lemont facility.

Mr. Steve DeLurgio, Willowbrook stated that he has issues with the number of trips and that there were issues when Thermal King was there. Mr. DeLurgio stated that there were 236 trucks a day. He questioned if the zoning review is done after the height variance is approved.

Mr. Manning reported that the traffic generated will be discussed when the proposal is forwarded to the Municipal Services Committee. He stated that anyone can attend and testify. Mr. Manning further stated that the Municipal Services Committee meeting is scheduled for August 27th but that this proposal is not firm for the agenda.

Chairperson Mallers questioned the number of truck parking stalls.

The architect for the petitioner reported that there are 31 trucks stalls for the number of docks.

Mr. John Curcio, Willowbrook questioned if there were any signs on the top of the building or alongside and what is the height requirement.

Mr. Lucas reported that they will follow the ordinance requirements.

Mr. Manning reported that Darien Code allows signage on the front wall but not on top of building.

Mr. Chuck Fisher stated that he was perplexed by the number of trucks going in and out. He stated that there are 120 trucks daily and 82,000 a year with noise and air pollution and traffic congestion. He questioned if this is going to be a trucking community and that there should be serious consideration.

Chairperson Mallers stated that the area has been vacant for a while and that there were other proposals that did not work out. He stated that the City is careful in making sure that Darien is a nice place to live.

There was no one in the audience wishing to present public comment and at 8:03 pm Chairperson Mallers closed the public hearing.

Commissioner Liedtke stated that he understood the feedback but that the height requirement will bring in Class A facilities. He suggested that the Code be amended to 39 feet to accommodate this new warehousing technology.

Commissioner Liedtke made a motion and it was seconded by Commissioner Gay to recommend approval of a variation to Section 5A-9-4-8 of the Darien Zoning Code that otherwise requires a 35 foot building height as presented.

Upon roll call vote, THE MOTION CARRIED 6-0. Commissioner Desmond abstained.

C. Workshop Procedures

Mr. Steve Manning, City Planner reported that he provided the Committee with current and proposed criteria for variations that the PZC has been working on for the past several workshops.

Commissioner Desmond stated that this is good criteria to have but that the Codes need to be updated. He also stated that a motion template would be helpful.

The workshop will be continued to the next regular meeting of the PZC.

CORRESPONDENCE

None

OLD BUSINESS

None

NEW BUSINESS

Commissioner Liedtke made a motion and it was seconded by Commissioner Desmond to recommend to the City Council to consider a zoning text amendment that would increase the building height to recruit Class A type facilities.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 7-0.

APPROVAL OF MINUTES

Commissioner Erickson made a motion and it was seconded by Commissioner Stompanato to approve the June 6, 2018 Regular Meeting Minutes.

Upon voice vote, the MOTION CARRIED UNANIMOUSLY 7-0.

NEXT MEETING

Chairperson Mallers announced that the next meeting is scheduled for Wednesday, August 1, 2018 at 7:00 p.m.

PUBLIC COMMENTS (On any topic related to planning and zoning)

There was no one in the audience wishing to present public comment

ADJOURNMENT

With no further business before the Commission, Commissioner Liedtke made a motion and it was seconded by Commissioner Gay. Upon voice vote, THE MOTION CARRIED unanimously and the meeting adjourned at 8:44 p.m.

RESPECTFULLY SUBMITTED:

APPROVED:

Elizabeth Lahey
Secretary

Lou Mallers
President



VARIATION AUTHORITY and STANDARDS

CITY OF DARIEN Zoning Code Section 5A-2-2-3 (A) and (G)

Authority

In cases where there are practical difficulties or particular hardships in the way of carrying out the strict letter of any of the regulations adopted by this Title, the City Council may, by ordinance, determine and vary the application of such regulations in harmony with their general purpose and intent.

Standards

The Planning and Zoning Commission shall not recommend a variation and the City Council shall not vary the provisions of this title as authorized in this section, unless findings of fact have been made on those of the following which relate to the variation being sought:

1. **Whether the purpose of the variation is not based primarily upon a desire to increase financial gain and the general character of the property will be adversely altered.**

2. **Whether the overall value of the property will be improved and there will not be any potential adverse effects on the neighboring properties.**

3. **Whether the alleged need for the variation has been created by any person presently having a proprietary interest in the premises.**

4. **Whether the proposed variation will impair an adequate supply of light and air in adjacent property, substantially increase congestion in the public streets, increase the danger of fire, or endanger the public safety.**

5. **Whether the proposed variation will adversely alter the essential character of the neighborhood.**



VARIATION CONDITIONS

ILLINOIS MUNICIPAL CODE 65 ILCS Sections 11-13-4 and 11-13-5

A variation shall be permitted only if the evidence sustains each of the following conditions:

- 1. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone.**

- 2. The plight of the owner is due to unique circumstances.**

- 3. The variation if granted will not alter the essential character of the locality.**

The corporate authorities may provide general or specific rules implementing, but not inconsistent with, the rules herein provided.



**Forest Preserve District
of DuPage County**

35580 Naperville Road
P.O. Box 5000
Wheaton, IL 60189

630.933.7200
Fax 630.933.7204
TTY 800.526.0857
dupageforest.org

Sent VIA e-mail: smanning@darien.gov

July 18, 2018

Louis Mallers, Chairperson
Planning and Zoning Commission
City of Darien
1702 Plainfield Rd.
Darien, IL 60561

Re: Public Hearing Notice for property located at 1035 S. Frontage Road, Darien
PINs: 09-34-303-025, 09-34-303-027, and 09-34-303-029

Dear Mr. Mallers,

It is the understanding of the Forest Preserve District of DuPage County (FPDDC) that a public hearing is scheduled for Wednesday, July 18, 2018 for a petition to vary the height of a proposed industrial building on Frontage Road in Darien. Please note that the FPDDC did not receive the public hearing notice from the City of Darien, but received the public hearing notice via e-mail from a 3rd party on Monday, July 16, 2018.

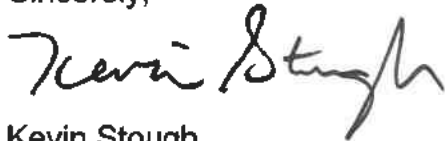
The FPDDC owns the property known as Waterfall Glen Forest Preserve, which is adjacent to the subject property (to the East and South). To the East of the subject property is wetlands and to the South of the subject property is woodlands. FPDDC staff have reviewed the public hearing notice and associated plans and following are our comments:

1. The FPDDC is concerned that high levels of illumination will encroach into the preserve. Outdoor lighting should be shielded and of a brightness so as to minimize impacts on the FPDDC property. It is also recommended that the outdoor lighting be Dark-Sky compliant.
2. The FPDDC is committed to protecting water quality and recommends that the owner refrain from using asphalt sealants that contain coal tar products in the future. These sealants contain Polycyclic Aromatic Hydrocarbons (PAHs) which pose adverse threats to aquatic organisms, plants, and humans when subjected to long-term exposure. Suitable alternatives to coal tar products exist.

3. If access to FPDDC property to connect to the existing sanitary sewer to the Southeast of the subject property is needed, a License will be required. The City of Darien can contact me regarding the requirements for a License.

We hope you will allow us the opportunity to review and comment on any revisions to plans as this project moves forward. Please consider this as the Forest Preserve District's request that this letter be read and entered into the public record at the hearing on Wednesday, July 18, 2018. If you have any questions, please contact me at (630) 933-7235.

Sincerely,



Kevin Stough
Land Preservation Manager

cc: Joseph Cantore, President
FPDDC Commissioners
Ed Stevenson, Executive Director
Dan Zinnen, Director of Resource Management and Development

From: [Regina Kokkinis](#)
To: [Maria Gonzalez](#)
Subject: FW: Sterling Bay-Municipal Services Agenda
Date: Thursday, August 30, 2018 12:10:08 PM

Thank you,

Regina Kokkinis

Administrative Assistant – Municipal Services
City of Darien
630-353-8105

To receive important information from the City of Darien sign up for our electronic newsletter:

DARIEN DIRECT CONNECT

Follow the link and subscribing is simple!

<http://www.darien.il.us/Reference-Desk/DirectConnect.aspx>

From: Dan Gombac
Sent: Thursday, August 30, 2018 12:08 PM
To: Regina Kokkinis <rkokkinis@darienil.gov>
Subject: FW: Sterling Bay-Municipal Services Agenda

Exhibit 22

From: Dan Gombac
Sent: Friday, August 24, 2018 4:15 PM
To: 'Kathy_Weaver@AJG.com' <Kathy_Weaver@AJG.com>; Joe Marchese <jmarchese@darienil.gov>; Steven Manning <smanning@darienil.gov>; Kathy Weaver <kweaver@darienil.gov>
Cc: John Murphey <jmurphey@rmcj.com>; Bryon Vana <bvana@darienil.gov>
Subject: RE: Sterling Bay-Municipal Services Agenda

Below, is a follow up in respect to concerns and general statements that have been addressed with Bryon and Attorney Murphey.

Have a great weekend.

From: Dan Gombac
Sent: Friday, August 24, 2018 10:27 AM
To: John Murphey (JMurphey@rmcj.com) <JMurphey@rmcj.com>
Cc: Bryon Vana <bvana@darienil.gov>; Kathy Weaver (Kathy_Weaver@AJG.com) <Kathy_Weaver@AJG.com>; Joe Marchese <jmarchese@darienil.gov>; Steven Manning <smanning@darienil.gov>

Subject: Sterling Bay-Municipal Services Agenda

John,

For Staff and Counsel discussion requesting opinion

1. Tom Chlystek-

He is on the MS Committee and has put a Facebook video commentary along with a Forest Preserve Ranger on Aug 21, 2018 with comments such as follows:

- a. The pollution from the trucks will cause cancer
Regulated by EPA
Non zoning matter
- b. The trucks will be in proximity to schools causing ill effects to students
Non zoning matter
No further substantiation
- c. The trucks will cause safety concerns for bikers on Frontage Rd-Please note that Frontage Route is not a bike route
Traffic study suggest no impact
Non designated bike route

Is there any concerns regarding Tom's comment before receiving the Staff agenda?

No impact-subjective comments

2. Attached is the agenda memo for your read, should you require further reading.

John M will review and be present Monday

3. Pending the MS vote on Monday the item will move forward to CC for Sept 4, Tues,

There will be two items for vote required by CC:

STEVE

ONE AGENDA MEMO AND ORDINACE TO ENCAPSULATE ALL THREE ITEMS

STEVE SEE BELOW

~~Item 1-Ordinace-A variation to the Building Height~~

~~Steve-Send Draft Ordinance to John M for review~~

~~Item 2-Motion-Site Plan Review CC approval~~

~~The CC is required to review the Site Plan for general conformance.~~

4. Below is the City Code for a Site Plan review :

Is there concern for Chlystek’s comments above as highlighted, cart before the horse ?
In other words does the CC have any opportunities to reject the site plan based on Tom’s comments, or lack of substantiation?

No, subjective comments

5A-2-2-1: SITE PLAN REVIEW: <image001.gif><image002.gif>

(A) Intent: The city recognizes that the very nature of land development creates potential for traffic congestion, overcrowding, **adverse environmental impacts, and health related problems.** To ensure that the details of developing commercial, office, research, and industrial areas for authorized uses will be such that the operation of the uses will not offend the public interest, will be compatible and be planned in conformity with surrounding uses and will not adversely affect the flow of traffic within the community, a site plan shall be submitted for approval by the corporate authorities, after review by the zoning enforcement officer. **Site plan review**s shall help ensure compliance with the meaning and intent of the zoning ordinance, and all portions thereof.

CC has the opportunity to deny and recommend further study(ies). Per Attorney Murphey It would be unreasonable and unsubstantiated. The site is in conformance with the Comp plan and zoning.

5. Plat of Consolidation:

Currently there are three lots within the proposed site. Please confirm that ONLY, CC council action is required, through an Ordinance, for the consolidation of the three lots to one, Certain easements will need to be vacated and created. Would the consolidation be considered a resubdivision??

Include with the Ordinance

~~Steve~~ Send Draft Ordinance to John M for review

6. ~~Proposed order for agenda memo, pending your comments:~~

1. ~~Ordinance Approval of an ordinance for the Consolidation of Lot Nos into one~~
2. ~~Motion site Plan Revie~~
3. ~~Ordinance Approval of an ordinance to the Building Height~~

Steve

REVISE TO ONE AGENDA MEMO UNDER AN ORDINACE TO INCLUDE ALL THREE

- A. Consolidation of Lots
- B. Site Plan Review
- C. Building Height

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Rosenthal, Murphey, Coblenz & Donahue

30 North LaSalle St. Suite 1624 ~Chicago, Illinois 60602
Phone (312) 541-1070 ~ Fax (312) 541-9191
JBM Direct Dial (312) 541-1072
JBM e-mail: jmurphey@rmcj.com

Memorandum

VIA E-MAIL

To: Dan Gombac
Fr: John B. Murphey
Date: August 24, 2018
Re: Sterling Bay Proposal/Alderman Belczak's Questions

I have not been involved in the processing of this zoning application, so I can only answer Question 5 generally. If the owner and contract purchaser believe a decision denying their zoning application was arbitrary, they have the right to file a lawsuit in the Circuit Court. I am attaching the governing statute.

As you can see, the statute allows for a lawsuit to be filed provided it is "commenced not later than 90 days after the date of the decision." This proceeding would be de novo. Dan – for your benefit, the term "de novo" means that the lawsuit would start from scratch. It would not be limited to a review of the record before the City Council. The developer would have the opportunity to commission and organize expert testimony and other evidence, even if that testimony and evidence was not presented during the course of the administrative proceedings.

There is one practical variable we do not know. Under case law, the owner of the property is the necessary plaintiff. We don't know what the terms of the buy-sell agreement is and whether that would include the parties maintaining their contractual relationship through the course of litigation.

By coincidence, there is a story in today's Tribune describing a very ambitious Sterling Bay project in the Fulton Market area of the City.

Please call with questions. Thanks.

JBM/sml
Enclosure

[West's Smith-Hurd Illinois Compiled Statutes Annotated](#)

[Chapter 65. Municipalities](#)

[Act 5. Illinois Municipal Code \(Refs & Annos\)](#)

[Article 11. Corporate Powers and Functions \(Refs & Annos\)](#)

[Public Health, Safety and Welfare](#)

[Planning, Zoning and Urban Rehabilitation](#)

[Division 13. Zoning \(Refs & Annos\)](#)

65 ILCS 5/11-13-25

5/11-13-25. Actions subject to de novo review; due process

Effective: January 1, 2009

[Currentness](#)

§ 11-13-25. Actions subject to de novo review; due process.

(a) Any decision by the corporate authorities of any municipality, home rule or non-home rule, in regard to any petition or application for a special use, variance, rezoning, or other amendment to a zoning ordinance shall be subject to de novo judicial review as a legislative decision, regardless of whether the process in relation thereto is considered administrative for other purposes. Any action seeking the judicial review of such a decision shall be commenced not later than 90 days after the date of the decision.

(b) The principles of substantive and procedural due process apply at all stages of the decision-making and review of all zoning decisions.

Credits

Laws 1961, p. 576, § 11-13-25, added by P.A. 94-1027, § 15, eff. July 14, 2006. Amended by P.A. 95-843, § 15, eff. Jan. 1, 2009.

[Notes of Decisions \(14\)](#)

65 I.L.C.S. 5/11-13-25, IL ST CH 65 § 5/11-13-25

Current through Public Acts effective August 13, 2018, through P.A. 100-861, of the 2018 Reg. Sess.

End of Document

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August 30, 2018

Mr. Matt Lucas
Sterling Bay
1330 West Fulton Suite 800
Chicago, IL 60607

Re: Darien Building Height Variance

Dear Matt,

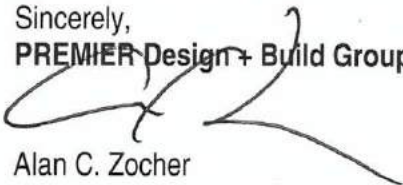
As requested the following items will hopefully clarify the requested 39'-0" building height in order to achieve a 32'-0" interior clear height.

Assumptions/Clarifications

- A. Tenants require 32'-0" clear as an industry standard and Premier does not see any new industrial buildings being built short of 32'-0" clear
- B. The structure steel components that compose the structure of the building account for approximately 3'-0".
- C. Class "A" Industrial buildings require internal roof drains to prevent standing water on pavement and ice buildup in the winter
- D. Internal roof drains require the steel structure to slope to low points. Sloping of the roof accounts for approximately 3'-0".
- E. Roofing materials and insulation on the sloped structure account for approximately 1'-0".
- F. The above measurements quantify the reason for 32'-0" foot clear buildings having an overall height of 39 feet.

Please let me know if you have any questions.

Sincerely,
PREMIER Design + Build Group, LLC



Alan C. Zocher

CHICAGO
MIAMI
LOS ANGELES
NEW JERSEY

MIDWEST DIVISION			
CA	1005104	FL	1517224
TN	0064077	LA	46706
pdbgroup.com		847.297.4200	



Exposure to diesel exhaust can have immediate health effects. ... Like all fuel-burning equipment, diesel engines produce nitrogen oxides, a common air pollutant. Nitrogen oxides can damage lung tissue, lower the body's resistance to respiratory infection and worsen chronic lung diseases, such as asthma.

Health Effects of Diesel Exhaust | OEHHA
<https://oehha.ca.gov/air/health-effects/diesel-exhaust/>

What are the side effects of diesel fumes?

Exposure to diesel exhaust in small amounts can cause:

- Irritation to the eyes and nose.
- Headache.
- Nausea.

Diesel: Your Environment, Your Health | National Library of Medicine
<https://pubmed.ncbi.nlm.nih.gov/chemicals/soot/22114101/diesel/>

Do diesel trucks pollute the air?

Particulate matter or soot is created during the incomplete combustion of diesel fuel. ... Diesel engines contribute to the problem by releasing particulates directly into the air and by emitting nitrogen oxides and sulfur oxides, which transform into "secondary" particulates in the atmosphere.

Diesel Engines and Public Health | Union of Concerned Scientists
<https://www.ucsusa.org/clean-vehicles/vehicles-air-pollution-and-diesel-engines>

Can diesel fumes harm you?

Short-term exposure to diesel fumes, such as when you fuel your truck or clean up a small spill, can temporarily irritate your eyes, skin or respiratory tract and/or cause dizziness, headache or nausea. ... The 40 different toxic compounds found in diesel exhaust can cause immediate and serious health concerns.

Breathing dangerous diesel fumes - Truck News
<https://www.trucknews.com/features/breathing-dangerous-diesel-fumes/>

What effect does diesel have on the environment?

Diesel emissions contribute to the development of cancer; cardiovascular and respiratory health effects; pollution of air, water, and soil; soiling; reductions in visibility; and global climate change. Where instituted, control programs have been effective in reducing diesel fleet emissions.

Diesel engines: environmental impact and control - NCBI
<https://www.ncbi.nlm.nih.gov/pubmed/11417575>

What are the dangers of diesel exhaust?

Short-term exposure to high concentrations of diesel exhaust and diesel particulate matter can result in dizziness; headaches; and eye, nose and throat irritation, the agency states. Prolonged exposure can increase a worker's risk of cardiovascular, cardiopulmonary and respiratory disease, and lung cancer.

The dangers of diesel exhaust | 2016-12-18 | Safety+Health Magazine
www.safetyandhealthmagazine.com/articles/15047-the-dangers-of-diesel-exhaust

How bad are diesel fumes?

Short-term exposure to diesel fumes, such as when you fuel your truck or clean up a small spill, can temporarily irritate your eyes, skin or respiratory tract and/or cause dizziness, headache or nausea. ... Diesel exhaust, a specific type of diesel fume, has more negative health effects than regular diesel fumes.

Breathing dangerous diesel fumes - Truck News
<https://www.trucknews.com/features/breathing-dangerous-diesel-fumes/>

DO THE RESEARCH! PLEASE > VOTE NO!

Searches related to effects of diesel fuel trucks on humans

effects of breathing diesel exhaust	diesel fumes headache
diesel fuel poisoning symptoms	diesel fumes exposure symptoms
diesel fuel health risks	diesel fumes in workplace
diesel vapour health effects	effects of diesel fuel on skin

The diesel is one of the largest contributors to environmental pollution problems worldwide, and will remain so, with large increases expected in vehicle population and vehicle miles traveled causing ever-increasing global emissions.

Diesel emissions contribute to the development of cancer; cardiovascular and respiratory health effects; pollution of air, water and soil; soiling; reductions in visibility; and global climate change.

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Diesel

Diesel exhaust is one of the nation's most pervasive sources of toxic air pollution. America's 11 million diesels—buses, trucks, trains, ships, and construction equipment—emit pollutants that lead to 21,000 premature deaths each year and create a cancer risk that is seven times greater than the combined risk of all 181 other air toxics tracked by the EPA. Scientific studies link pollutants in diesel exhaust to a myriad of public health effects, including asthma attacks, heart attacks, stroke, cancer, and premature death. Exposure to diesel emissions is nearly inescapable, whether you are exposed during your commute, while you are at work, or in your neighborhood. Diesel pollution is also an Environmental Justice issue. Low-income people and people of color are two to three times more likely to be exposed to particulate pollution. Children and seniors are most vulnerable to the health effects of diesel pollution. Children can be exposed to high levels of diesel particles inside of buses, at bus stops, and outside of schools.

Black carbon, a component of diesel pollution, is also one of the largest drivers of climate change. Black carbon is a form of particulate matter emitted by diesels (and other sources) that warms the atmosphere by absorbing sunlight and radiating heat into the air (like a blacktop road). It can also darken snow and ice, and directly accelerate melting. The United States has the highest per-capita emissions of black carbon in the world, with more than half coming from diesel engines.

While the U.S. EPA has mandated tighter emissions rules on new diesel engines, emissions from most of the current fleet of heavy-duty diesel vehicles remains uncontrolled. CATT's advocacy focuses on cleaning up the existing fleet of diesel engines, which are expected to remain in operation for decades to come. The rate of turnover of the fleet to new, cleaner engines has been slowed by the recession as sales of new diesels have plummeted. As a result, older, dirtier diesels will be with us for longer than EPA expected. Indeed, many owners of big trucks are rebuilding the engines in their old trucks and thereby extending their useful lives by eight to 10 years. More years and more miles by older, dirtier trucks will mean more pollution.

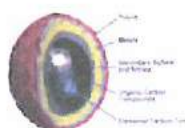
There are a number of opportunities at the Federal level to continue to make progress cleaning up diesel pollution:

- Congressional support to fully fund the [Diesel Emission Reduction Act](#) (DERA) which provides the best opportunity for fast-acting diesel reduction measures, but which has lacked adequate funding since its original passage in 2005.
- A ["Credit for Clunkers" Clean Truck Initiative](#) combining a rule by EPA to reduce pollution from large trucks with financial incentives to assist with compliance.
- A provision in the federal Transportation Bill to help fund the installation of modern pollution controls on diesel engines in areas that violate PM2.5 ambient air quality standards.

Boston Commuters Exposed to Diesel Pollution



[Watch More Videos on Diesel Exposure](#)



Problems of Diesel



Threats from a Fulfillment or Amazon-Like W/H on South Frontage Road

Steve DeLurgio Sr., PhD

1) We have no idea who will occupy this warehouse (w/h), what type of business will be used here? What volume of traffic etc. How can you approve the use of a piece of property when the owner and her business are unknown?

2) There is a dramatic difference in the number and types of vehicles entering/leaving a w/h depending on the type of w/h. Will it be 287 vehicles a day (per Petitioner) or 1628 vehicles a day? These are real possibilities for such a w/h and as shown in Appendix A, there is authoritative justification for many more than 287 vehicles per day.

Table 1 is the Petitioner's estimate of trips from their traffic study.

Table 1
ESTIMATED VEHICLE TRIP GENERATION FOR PROPOSED DEVELOPMENT

Development/Size	Weekday Morning Peak Hour		Weekday Afternoon Peak Hour		Weekday Daily
	In	Out	In	Out	
Warehouse/Distribution 153,000 s.f. (LUC 150) TOTAL	34	10	12	34	287
<i>Truck Traffic (20%)¹</i>	7	2	2	7	57
<i>Passenger Vehicle Traffic (80%)</i>	27	8	10	27	230

¹20 percent assumed in study for conservative analysis purposes.

Table 1 grossly underestimates the actual traffic if the site is developed as an Amazon w/h, fulfillment center, or hub (see Appendix A). The term fulfillment center has been used by at least one representative of the petitioner, Sterling Bay. Amazon is increasing its presence in the Chicago Area, see Appendix D. Consider the number of docks.

3) 31 Docks is a large number for a facility of this size and it denotes that there can be a lot of traffic.

31 Docks provide great flexibility of the type of w/h that might occupy the site, types of w/h's that should not be located in Darien and Water Fall Glen.

4) Amazon and Amazon-like w/h operations use a wide variety of vehicles for residential deliveries of goods. One of the threats of this proposed use is passenger traffic on east bound South Frontage Rd and Clarendon Hills Road. The wording of Passenger Vehicle Access discussion in the Petitioner's application and as shown here in Appendix C should exclude delivery vehicles of any type from traveling east on South Frontage Rd. Passenger vehicles are being used more and more frequently to make residential deliveries for AMAZON and others, the use of private cars for such deliveries is analogous to those who work for UBER and use their personal cars for transporting passengers.

5) If approved, the realtor will market the site to customers and clearly, the greatest benefit comes from a high-volume w/h, high traffic in and out of the facility, and rapid, visible shipments via cars and vans to customers throughout Darien and bordering cities. Unless this facility is constrained, the grid lock caused by it will result in great problems and disapproval – it may exceed Route 83/Kingery Avenue's rush hour delays.

6) The traffic count study does not reflect the other more threatening scenario's that might flood the intersection of I55, Cass, and South Frontage Road; an intersection which is noted for its weekly grid lock on Friday afternoons with vehicles using North and South Frontage Rds instead of I55. Traffic delays are not proportionate to the number of

vehicles using the intersection. A small increase in traffic (20%) can yield a 100% or even a 1000% increase in delays and congestion. The Petitioner's Traffic study is a high quality one, but it does not provide sensitivity analysis for the possible increases in traffic such as the differences between 287 and 1628 vehicles a day. Often questions are not asked because the decision maker may not like the answer. Decision makers need to be provided such sensitivity analysis. It is a big mistake not to see expected traffic flows/delays when vehicle utilization of this intersection increases because the tenant is a fulfillment-like w/h. It may **not** take a small increase in traffic counts to dramatically alter traffic on Cass Avenue.

7) Appendix B shows the variety of the smaller Amazon and Amazon-Like w/h's that are currently being built. These are not large w/h's but instead represent smaller, agile w/h's with lots of traffic, w/h's that are the size of the proposed Sterling Bay w/h. Do you want and do you need this w/h?

8) We note that the Panettoni DC on Lemont Rd has 20 docks, and I regularly drive through the parking lot and see they have 32 trailers and no trucks in the lot. This is a relatively new w/h and its traffic volumes might change to much higher volumes as it matures. Everything else being equal, a truck that drops off a trailer and returns to pick it up, generates twice the traffic trips then one which remains docked.

9) These threats to Darien will remain unless this project is rejected. You have no known applicant for this project, and while studies of traffic flows are well defined for one scenario, aggressive ecommerce would appear to contradict that scenario. Logic dictates that one should not approve such a large project without knowing who the applicant is and their clearly defined operational parameters.

Appendix A

There are dramatic differences in the number of Trips per 1000 Gross Square Feet of a High-Cube W/H
We have been told that this W/H will be a fulfillment center.

Type of High-Cube Warehouse, 300 day year, 8 hours a day.

Weighted Average for Daily Trips per 1,000 GSF

153

153,000 sf	Daily Trips/1000 sf	Per Day	Per Yr	Per Peak AM Hour	Per Yr	Per Peak PM Hour	Per Yr
Transload & Short-Term Storage (91)							
All Vehicles	1.432	219	65,729	12	3,690	16	4,860
Cars	1	153	45,900	9	2,565	13	3,870
Trucks	0.454	69	20,839	4	1,080	3	1,035
5+ Axle Trucks	0.233	36	10,695	2	675	2	450
Fulfillment Center (1)							
All Vehicles	8.178	1,251	375,370	126	37,845	297	89,055
Cars	7.461	1,142	342,460	123	36,810	292	87,480
Trucks	0.717	110	32,910	3	1,035	5	1,575
5+ Axle Trucks	0.242	37	11,108	1	405	2	585
Parcel Hub (1)							
All Vehicles	10.638	1,628	488,284	128	38,295	120	36,135
Cars	6.631	1,015	304,363	64	19,260	85	25,560
Trucks	4.007	613	183,921	63	19,035	35	10,575
5+ Axle Trucks	0.982	150	45,074	6	1,845	1	405
ITE Trip Generation Manual – 9th Edition							
All Vehicles	1.68	257	77,112	17	4,950	18	5,400

Source of first column of Daily Trips /1000 sf, HIGH-CUBE WAREHOUSE VEHICLE TRIP GENERATION ANALYSIS

From the Institute of Transportation Engineers.

<http://library.ite.org/pub/a3e6679a-e3a8-bf38-7f29-2961becdd498>

Table 2. Self Reported Trip Rates from High Cube Warehouses for 153,000 SF W/H.

Statistical Measure	34 W/H's		153		360 days/year	
	Per 1000 sf		Per Day		Per Year	
	ALL VEH	TRUCKS	ALL VEH	TRUCKS	ALL VEH	TRUCKS
Minimum	0.33	0.05	50	8	18,176	2,754
Maximum	3.41	1.76	522	269	187,823	96,941
Average	1.22	0.53	187	81	67,198	29,192

Table 2 above was generated from the copied Table 10 below.

Table 10 Self Reported Trip Rates from High Cube Warehouses

Statistical Measure	Overall Trip Rate (trips/thousand sf)	Truck Trip Rate (trips/thousand sf)
Minimum	0.33	0.05
Maximum	3.41	1.76
Average	1.22	0.53

<http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/busi>
34 high cube warehouses.

Appendix B

Recent Developments of Smaller More Agile, High Turnover W/H's

Smaller more agile warehouses are being throughout the retail industry to remain competitive. Consider Four Types of Amazon Warehouses that have recently been added to the large, mega warehouses. The 153,000 SF size of So. Frontage Rd is compatible with any of these types of W/H's. Types of Smaller Amazon Warehouses, Gross Square Footage of Space

Delivery Station		Network	Prime	Pantry	Whole Foods
MEAN	91,414		43,133	234,441	86,983
MEDIAN	80,000		39,000	164,100	86,100
MAX	226,300		120,000	810,000	157,300
MIN	21,300		11,900	51,000	11,300
No. of W/Hs	73		43	22	12
So. Front. Rd < Max		So. Front. Rd > Max		So. Front. Rd < Median	So. Front. Rd < Max
So. Front. Rd > Mean				So. Front. Rd > Min	So. Front. Rd > Mean
Total W/H's=	150				

Delivery Station Network:

Since 2013, consists of smaller facilities that are typically in the 60,000 to 100,000 sq. ft. range. These buildings are typically positioned within larger metropolitan cities across the country ... **The delivery station's primary role is to sort packages for outbound routes to enable last mile delivery to customers within a tightly defined urban area. Often deliveries are performed by multiple local courier companies that are contracted by Amazon to service specific routes and also by independent Amazon Flex drivers.** These deliveries may consist of multi-temperature fresh food totes being delivered on a same day basis to markets where Amazon Fresh is up and running.

Prime Delivery

In late 2014, Amazon launched a rapid build-out of a distribution network consisting of smaller footprint urban distribution buildings positioned close to the centers of large metropolitan cities across the country. Amazon's Prime Now Hubs are typically stocked with the highest velocity items that are popular such as bottled water. **These facilities only stock a limited line of products (e.g. 15,000 different items) to enable Amazon Prime Now members to place orders for this merchandise and receive rapid delivery in as little as 60 minutes from the time of order placement.** It is highly likely that this build-out will continue into the future as these buildings are the equivalent of retail stores for Amazon.

Pantry

Amazon currently operates a network of **ambient** and cold storage grocery distribution centers across the United States service Amazon Pantry and Amazon.Fresh customers orders. This distribution network is unfolding slowly and the list of facilities below is likely incomplete. Some of the Amazon food-related facilities are shared with other operations such as the sortation center facilities.

WholeFoods

Amazon acquired Whole Foods in August, 2017 and by extension took ownership of the Whole Foods retail grocery distribution network. The existing Whole Foods distribution network is largely focused on Perishables merchandise for its retail stores in each major market region being serviced as documented below.

Source of Above Table: http://www.mwpl.com/html/amazon_com.html

Appendix C

Copies of Sections from Petitioner's Traffic Study

Truck Access

Trucks will be restricted to arriving/departing the development to/from the west via Cass Avenue. Truck access to the site will be from the proposed westerly access drive off South Frontage Road. The access drive will provide one lane inbound and one lane outbound under stop sign control. Signs will be posted restricting truck exiting movements to left-turns only.

Passenger Vehicle Access

The easterly access drive will be restricted to passenger vehicles only and will provide direct access to the passenger vehicle parking area, to be located to the north and to the east of the building facility. The access drive will provide one lane inbound and one lane outbound under stop sign control. Passenger vehicles will approach/depart the site from either direction via Cass Avenue to the west or Clarendon Hills Road to the east.

Table 1

ESTIMATED VEHICLE TRIP GENERATION FOR PROPOSED DEVELOPMENT

Development/Size	Weekday Morning Peak Hour		Weekday Afternoon Peak Hour		Weekday Daily
	In	Out	In	Out	
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<i>Passenger Vehicle Traffic (80%)</i>	27	8	10	27	230

¹20 percent assumed in study for conservative analysis purposes.

Appendix D

Amazon is increasing its presence in the Chicago Area

<http://www.chicagobusiness.com/article/20170717/CRED03/170719871/amazon-chicago-area-sort-center-will-have-up-to-500-jobs>

Amazon is opening a Chicago-area sort center, its first Illinois hub for smaller packages, where it plans to employ 250 to 500 workers.

The newest facility, to handle parcels smaller than many it moves through distribution centers in Joliet and several other local sites, has a launch scheduled for October in southwest suburban Crest Hill. It's the latest flag planted here since 2015 by the e-commerce monolith, whose projected local employment is heading toward around 8,000.

The 438,150-square-foot building in a Crest Hill industrial park has been under development since late 2015 for a previously undisclosed tenant. Amazon's identity was confirmed by Scott McMaster, the suburb's economic development and zoning manager. He said the city offered no economic incentives.

The 29-acre site is north of Joliet, less than 2 miles from an Interstate 55 interchange and less than 10 miles from Interstate 80, according to Atlanta-based developer Ridgeline Property Group. The property is also near Amazon fulfillment centers in Joliet and Romeoville, and others opening this year in Aurora and Monee.

"I'll tell you . . . to have an Amazon in our community garners a lot of attention and spurs a lot of economic development," McMaster says. A public relations firm that has represented Amazon did not respond to an email request for comment.

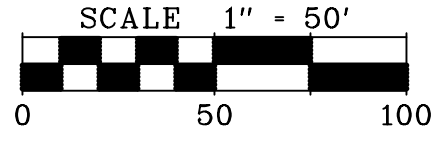
Read more:

Amazon will double its office staff and space in Chicago

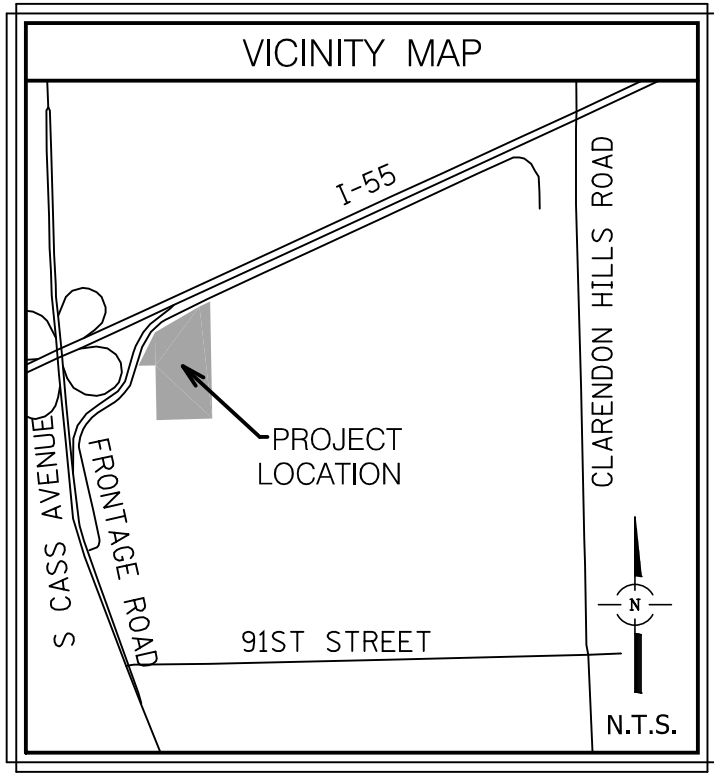
MEMO

DARIEN SUBDIVISION

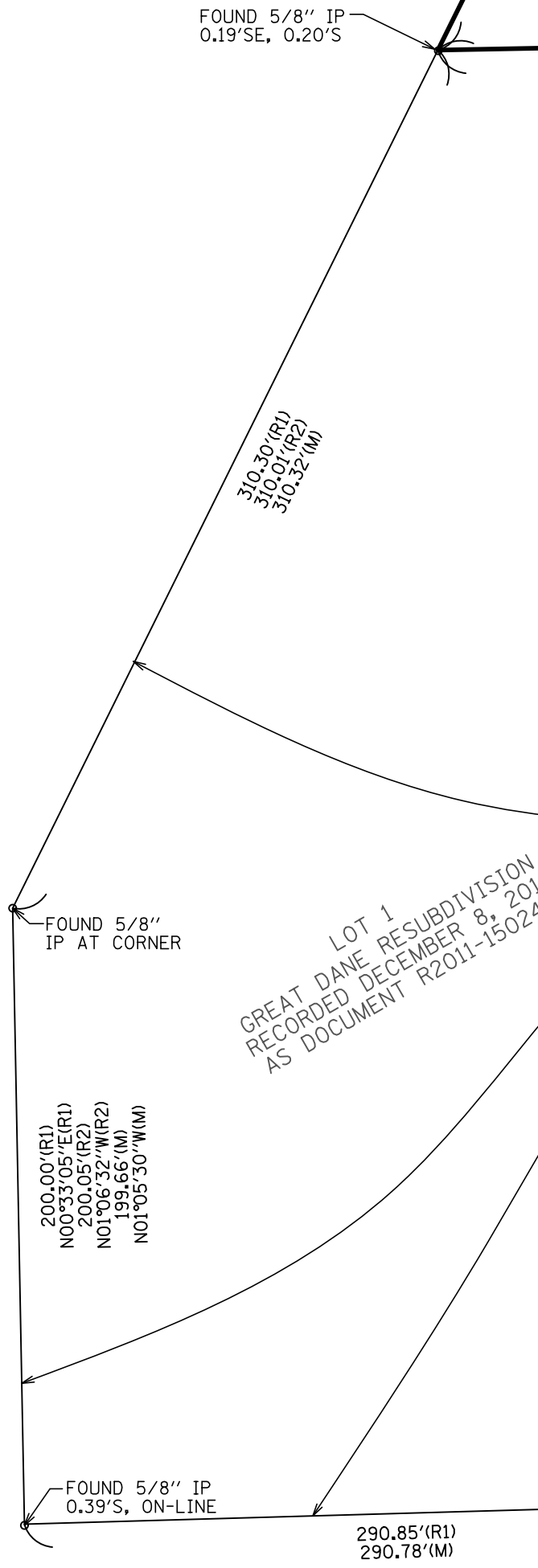
BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN DUPAGE COUNTY, ILLINOIS.



BASIS OF BEARINGS: TRUE NORTH BASED ON GEODETIC OBSERVATION IL EAST ZONE. NOTE: ALL BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.



- RECORD PER DARIEN PUBLIC WORKS SUBDIVISION PER DOCUMENT R2004-075594. RECORD PER GREAT DANE RESUBDIVISION PER DOCUMENT R2011-150249. STORMWATER MANAGEMENT EASEMENT PER DOCUMENT R2004-075594 HEREBY VACATED. UTILITY EASEMENT PER DOCUMENT R2011-150255 HEREBY VACATED. WATERMAIN EASEMENT HEREBY GRANTED. DETENTION POND EASEMENT HEREBY GRANTED.



CITY ENGINEER'S CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, CITY ENGINEER OF THE CITY OF DARIEN, ILLINOIS, HEREBY CERTIFY THAT THE LAND IMPROVEMENTS DESCRIBED IN THE ANNEXED PLAT AND THE PLANS AND SPECIFICATIONS THEREOF MEET THE MINIMUM REQUIREMENTS OF SAID CITY AND HAVE BEEN APPROVED BY ALL PUBLIC AUTHORITIES HAVING JURISDICTION THEREON.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS THIS ____ DAY OF _____, 20____.

CITY ENGINEER CERTIFICATE AS TO SPECIAL ASSESSMENTS STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, CITY TREASURER OF THE CITY OF DARIEN, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT OR UNPAID CURRENT OR FORFEITED SPECIAL ASSESSMENTS OF ANY DEFERRED INSTALLMENTS THEREOF THAT HAVE BEEN APPORTIONED AGAINST THE TRACT OF LAND INCLUDED IN THE PLAT.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS THIS ____ DAY OF _____, 20____.

CITY TREASURER CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, CHAIRMAN OF THE PLAN COMMISSION OF THE CITY OF DARIEN, DO HEREBY CERTIFY THAT THE ANNEXED PLAT AND THE PLANS AND SPECIFICATIONS THEREOF MEET THE MINIMUM REQUIREMENTS OF SAID CITY AND HAVE BEEN APPROVED BY ALL PUBLIC AUTHORITIES HAVING JURISDICTION THEREON.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS THIS ____ DAY OF _____, 20____.

PLAT SUBMITTED FOR RECORDING BY: PREPARED FOR: STERLING BAY 1040 WEST RANDOLPH STREET CHICAGO, IL 60607

CITY CLERK'S CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, CITY CLERK OF THE CITY OF DARIEN, ILLINOIS, HEREBY CERTIFY THAT THE ANNEXED PLAT WAS PRESENTED TO AND BY RESOLUTION DULY APPROVED BY THE CITY COUNCIL OF SAID CITY AT ITS MEETING HELD ON ____ DAY OF _____, 20____, AND THAT THE REQUIRED BOND OR OTHER GUARANTEE HAS BEEN POSTED FOR THE COMPLETION OF THE IMPROVEMENTS REQUIRED BY THE REGULATIONS OF SAID CITY.

IN WITNESS WHEREOF I HAVE HERETO SET MY HAND AND THE SEAL OF THE CITY OF DARIEN, ILLINOIS, THIS ____ DAY OF _____, 20____.

CITY CLERK MAYOR'S CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS THIS ____ DAY OF _____, 20____.

MAYOR

WATERMAIN EASEMENT PROVISIONS EASEMENTS ARE RESERVED FOR AND GRANTED TO THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS, FOR THE PERPETUAL RIGHT, PRIVILEGE AND AUTHORITY TO CONSTRUCT, RECONSTRUCT, MAINTAIN AND OPERATE VARIOUS UTILITY, TRANSMISSION AND DISTRIBUTION SYSTEMS INCLUDING WATER MAINS, VALVE VAULTS, CONNECTIONS AND HOBANTS TOGETHER WITH ANY OTHER STRUCTURES AND APPURTENANCES AS MAY BE DEEMED NECESSARY BY SAID CITY OF DARIEN, ILLINOIS, ALONG, UNDER, OR THROUGH THE DESCRIBED AREA, AS NOTED BY "WATERMAIN EASEMENT" TOGETHER WITH THE RIGHT OF ACCESS ACROSS THE PROPERTY FOR NECESSARY PERSONS AND EQUIPMENT TO DO ANY OF THE ABOVE WORK.

FOR REVIEW

STORMWATER MANAGEMENT EASEMENT PROVISIONS FOR THE PURPOSE OF PROVIDING SUFFICIENT DRAINAGE AND FLOOD CONTROL FOR THE BENEFIT OF THE SUBDIVISION AND PUBLIC GENERALLY, THE FOLLOWING EASEMENTS AND RESTRICTIONS ARE HEREBY DECLARED TO RUN WITH THE LAND AND BE BINDING ON THE OWNERS OF THE SUBDIVISION AND ITS SUCCESSORS, HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS.

FOR REVIEW

STORMWATER MANAGEMENT EASEMENT VACATION APPROVAL CERTIFICATE

I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE STORMWATER MANAGEMENT EASEMENT GRANTED BY DOCUMENT R2004-075594 AND HEREON SHOWN AS PART OF SAID REAL ESTATE, BEING HEREBY VACATED.

DATED THIS ____ DAY OF _____, 20____. CITY OF DARIEN

NAME: (PLEASE PRINT) (SIGNATURE)

(INSERT OWNER) (LOT 2 GREAT DANE AND LOT 2 & 3 DARIEN OWNER)

NAME: (PLEASE PRINT) (SIGNATURE)

INGRESS AND EGRESS EASEMENT VACATION APPROVAL CERTIFICATE I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE INGRESS AND EGRESS EASEMENT GRANTED BY DOCUMENT R2004-075594 AND LOCATED WITHIN THE LIMITS OF THIS SUBDIVISION.

DATED THIS ____ DAY OF _____, 20____. (INSERT OWNER) (LOT 3 DARIEN OWNER)

NAME: (PLEASE PRINT) (SIGNATURE)

UTILITY EASEMENT VACATION APPROVAL CERTIFICATE I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE UTILITY EASEMENT GRANTED BY DOCUMENT R2011150255 AND HEREON SHOWN AS PART OF SAID REAL ESTATE, BEING HEREBY VACATED.

DATED THIS ____ DAY OF _____, 20____. CITY OF DARIEN

NAME: (PLEASE PRINT) (SIGNATURE)

PROPERTY DESCRIPTION: LOTS 2 AND 3 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 24, 2004 AS DOCUMENT R2004-075594 AND LOT 2 IN GREAT DANE RESUBDIVISION, BEING RESUBDIVISION OF LOT 1 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, RECORDED DECEMBER 8, 2011 AS DOCUMENT NUMBER R2011-150249, ALL IN DUPAGE COUNTY, ILLINOIS.

OWNER'S CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT THE UNDERSIGNED IS THE OWNER OF THE LAND DESCRIBED IN THE ANNEXED PLAT AND HAS CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED AS INDICATED THEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE STYLE AND TITLE THEREON INDICATED.

THE UNDERSIGNED HEREBY DEDICATED FOR PUBLIC USE THE LOTS SHOWN ON THIS PLAT FOR THROUGHFARES, STREETS, ALLEYS AND PUBLIC SERVICES; AND HEREBY ALSO RESERVES AND GRANTS EASEMENTS FOR PUBLIC USE, AND FOR THE INSTALLATION OF VARIOUS PUBLIC UTILITIES AS DESIGNATED AND/OR AS STATED IN THE UTILITY EASEMENT PROVISIONS STATED HEREON.

THIS IS TO ALSO CERTIFY THAT THE PROPERTY BEING SUBDIVIDED AFORESAID, AND TO THE BEST OF OUR KNOWLEDGE AND BELIEF, SAID SUBDIVISION LIES ENTIRELY WITHIN THE LIMITS OF SCHOOL DISTRICTS: GRADE SCHOOL DISTRICT 63 (ELEMENTARY) COMMUNITY HIGH SCHOOL DISTRICT 86 (HIGH SCHOOL)

DATED THIS ____ DAY OF _____, A.D. 20____. SIGNED: PRINTED NAME AND TITLE ADDRESS:

NOTARY CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, A NOTARY PUBLIC, IN AND FOR SAID COUNTY, IN THE STATE AFORESAID, DO HEREBY CERTIFY THAT _____ IS PERSONALLY KNOWN BY ME TO BE THE SAME PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENT OWNERS, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT THEY SIGNED AND DELIVERED THE SAID INSTRUMENT AS THEIR OWN FREE AND VOLUNTARY ACT, FOR THE USES AND PURPOSES THEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTARIAL SEAL, THIS ____ DAY OF _____, A.D. 20____. NOTARY PUBLIC

STATE LETTER REQUIREMENT STATE OF ILLINOIS) SS COUNTY OF _____)

TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF SUCH SUBDIVISION OR ANY PART THEREOF, OR THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, ADEQUATE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS OR DRAINS WHICH THE SUBDIVIDER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL NOT BE DEPOSITED ON THE PROPERTY OF ADJOINING LAND OWNERS IN SUCH CONCENTRATIONS AS MAY CAUSE DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

DATED THIS ____ DAY OF _____, A.D. 20____. OWNER(S) OR DULY AUTHORIZED ATTORNEY REGISTERED PROFESSIONAL ENGINEER, LICENSE NO. LICENSE EXPIRES:

COUNTY CLERK CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, THE UNDERSIGNED, COUNTY CLERK OF DUPAGE COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT GENERAL TAXES, NO UNPAID FORFEITED TAXES AND NO UNPAID TAX SALES AGAINST ANY OF THE LAND INCLUDED IN THIS PLAT. I FURTHER CERTIFY THAT I HAVE RECEIVED ALL STATUTORY FEES IN CONNECTION WITH THIS PLAT.

THIS ____ DAY OF _____, A.D. 20____. COUNTY CLERK PLEASE PRINT NAME

COUNTY RECORDER CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

THIS PLAT WAS FILED FOR RECORD IN THE RECORDER'S OFFICE OF DUPAGE COUNTY, ILLINOIS, ON THE ____ DAY OF _____, A.D. 20____ AT ____ O'CLOCK ____ AM AS DOCUMENT NUMBER _____

COUNTY RECORDER PLEASE PRINT NAME

SANITARY DISTRICT CERTIFICATE STATE OF ILLINOIS) SS COUNTY OF DUPAGE)

I, _____, DO HEREBY CERTIFY THAT THE REQUIRED LETTER OF CREDIT IS POSTED FOR THE COMPLETION OF THE IMPROVEMENT COVERING SANITARY SEWAGE SYSTEM AND/OR SEWER LINES AND DOMESTIC WATER SUPPLY SYSTEM AND/OR DISTRIBUTION LINES UNDER JURISDICTION BASED ON APPROVED ENGINEER'S PLAN AND SPECIFICATIONS PREPARED BY A REGISTERED ENGINEER.

DATED THIS ____ DAY OF _____, 20____. COUNTY SUPERINTENDENT OF PUBLIC WORKS DEPT. STATE OF ILLINOIS) SS COUNTY OF COOK)

WE DECLARE THAT THE ABOVE DESCRIBED PROPERTY WAS SURVEYED AND SUBDIVIDED BY _____, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-00157, AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY. ALL DISTANCES ARE SHOWN IN FEET AND DECIMALS THEREOF.

SAID PROPERTY CONTAINS 446,540 SQUARE FEET OR 10.251 ACRES, MORE OR LESS. WE FURTHER DECLARE, BASED UPON A REVIEW OF THE FLOOD INSURANCE RATE MAP (F.I.R.M.) COMMUNITY PANEL MAP NUMBER 17043C0908H WITH EFFECTIVE DATE DECEMBER 16, 2004, IT IS OUR CONSIDERED OPINION THAT THIS PROPERTY LIES WITHIN "ZONE X UNSHADED AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED BY SAID F.I.R.M. MAP AND "ZONE A UNSHADED AREAS DETERMINED TO BE A 1% CHANCE FLOOD AS IDENTIFIED BY SAID F.I.R.M. MAP AND "ZONE A UNSHADED AREAS DETERMINED TO BE A 1% CHANCE FLOOD AS IDENTIFIED BY SAID F.I.R.M. MAP.

WE FURTHER DECLARE THAT STEEL REINFORCING RODS (UNLESS OTHERWISE NOTED) WILL BE SET AT ALL LOT CORNERS. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, AS APPLICABLE TO PLATS OF SUBDIVISION. GIVEN UNDER MY HAND AND SEAL THIS ____ DAY OF _____, 20____ IN ROSEMONT, ILLINOIS.

DATE: 08/09/2018 JOB NO: 8552.04 FILENAME: 8552.04SUB-01 SHEET: 1 OF 1

CONSULTING ENGINEERS SITE DEVELOPMENT ENGINEERS LAND SURVEYORS

DATE: 08/09/2018 JOB NO: 8552.04 FILENAME: 8552.04SUB-01 SHEET: 1 OF 1

FOR REVIEW PURPOSES ONLY

FOR REVIEW PURPOSES ONLY

FOR REVIEW PURPOSES ONLY

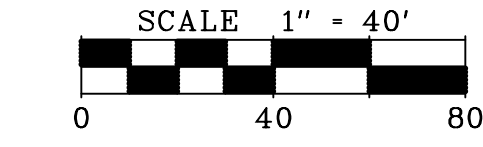
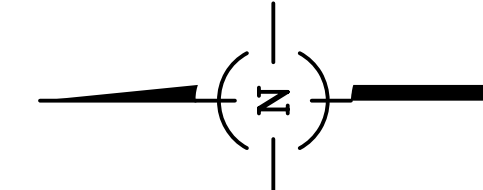
FOR REVIEW PURPOSES ONLY

FOR REVIEW PURPOSES ONLY

FOR REVIEW PURPOSES ONLY

FOR REVIEW PURPOSES ONLY

MEMO



STORM STRUCTURE LEGEND

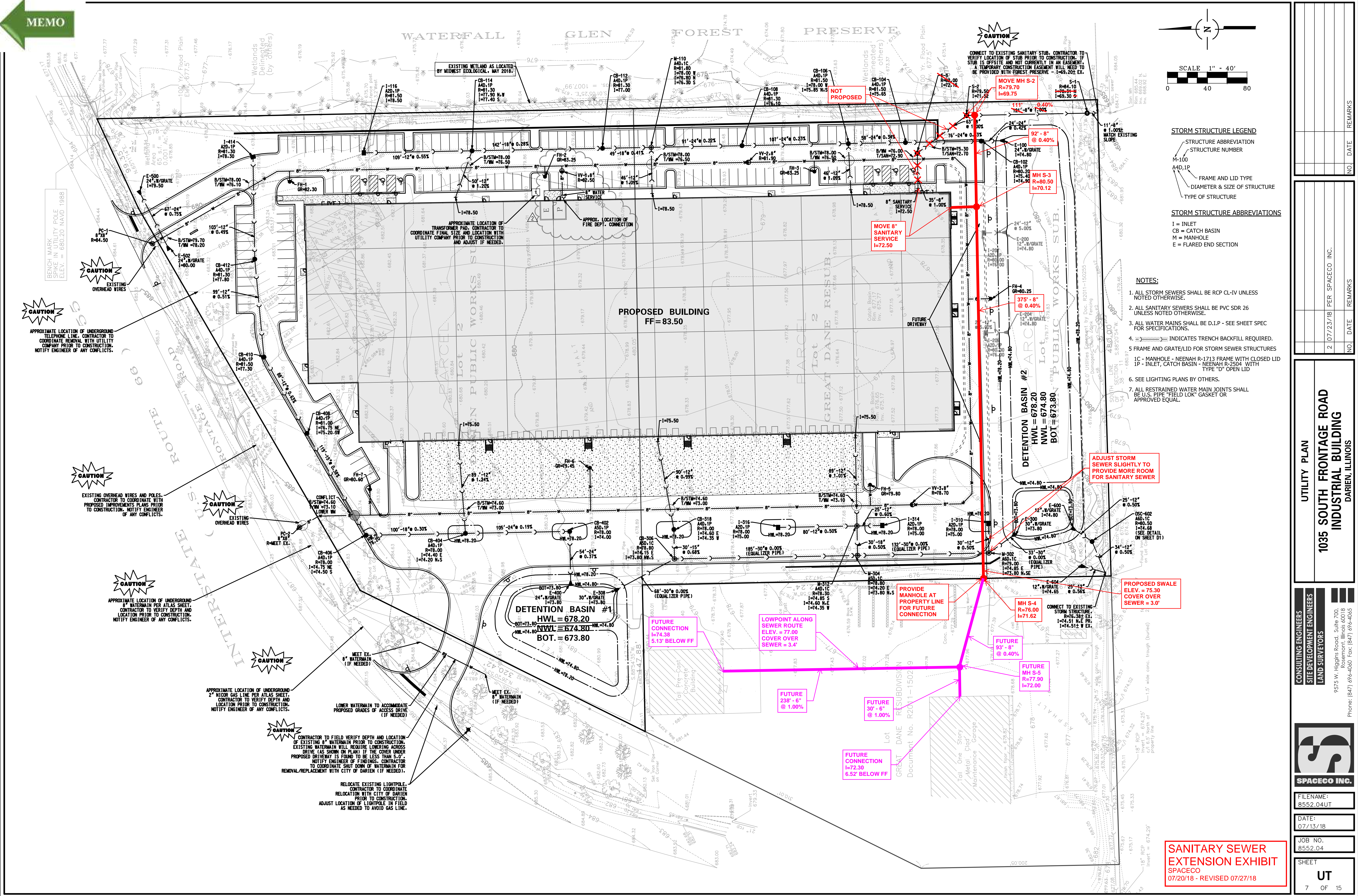
- STRUCTURE ABBREVIATION
- STRUCTURE NUMBER
- M-100 A&D, I.P. FRAME AND LID TYPE
- DIAMETER & SIZE OF STRUCTURE
- TYPE OF STRUCTURE

STORM STRUCTURE ABBREVIATIONS

- I = INLET
- CB = CATCH BASIN
- M = MANHOLE
- E = FLARED END SECTION

NOTES:

- ALL STORM SEWERS SHALL BE RCP CL-IV UNLESS NOTED OTHERWISE.
- ALL SANITARY SEWERS SHALL BE PVC SDR 26 UNLESS NOTED OTHERWISE.
- ALL WATER MAINS SHALL BE D.I.P. - SEE SHEET SPEC FOR SPECIFICATIONS.
- INDICATES TRENCH BACKFILL REQUIRED.
- FRAME AND GRATE/LID FOR STORM SEWER STRUCTURES
- 1C - MANHOLE - NEENAH R-1713 FRAME WITH CLOSED LID 1P - INLET, CATCH BASIN - NEENAH R-2504 WITH TYPE "D" OPEN LID
- SEE LIGHTING PLANS BY OTHERS.
- ALL RESTRAINED WATER MAIN JOINTS SHALL BE U.S. PIPE "FIELD LOK" GASKET OR APPROVED EQUAL.



NO.	DATE	REMARKS
2	07/23/18	PER SPACECO INC.

UTILITY PLAN
1035 SOUTH FRONTAGE ROAD
INDUSTRIAL BUILDING
DARIEN, ILLINOIS

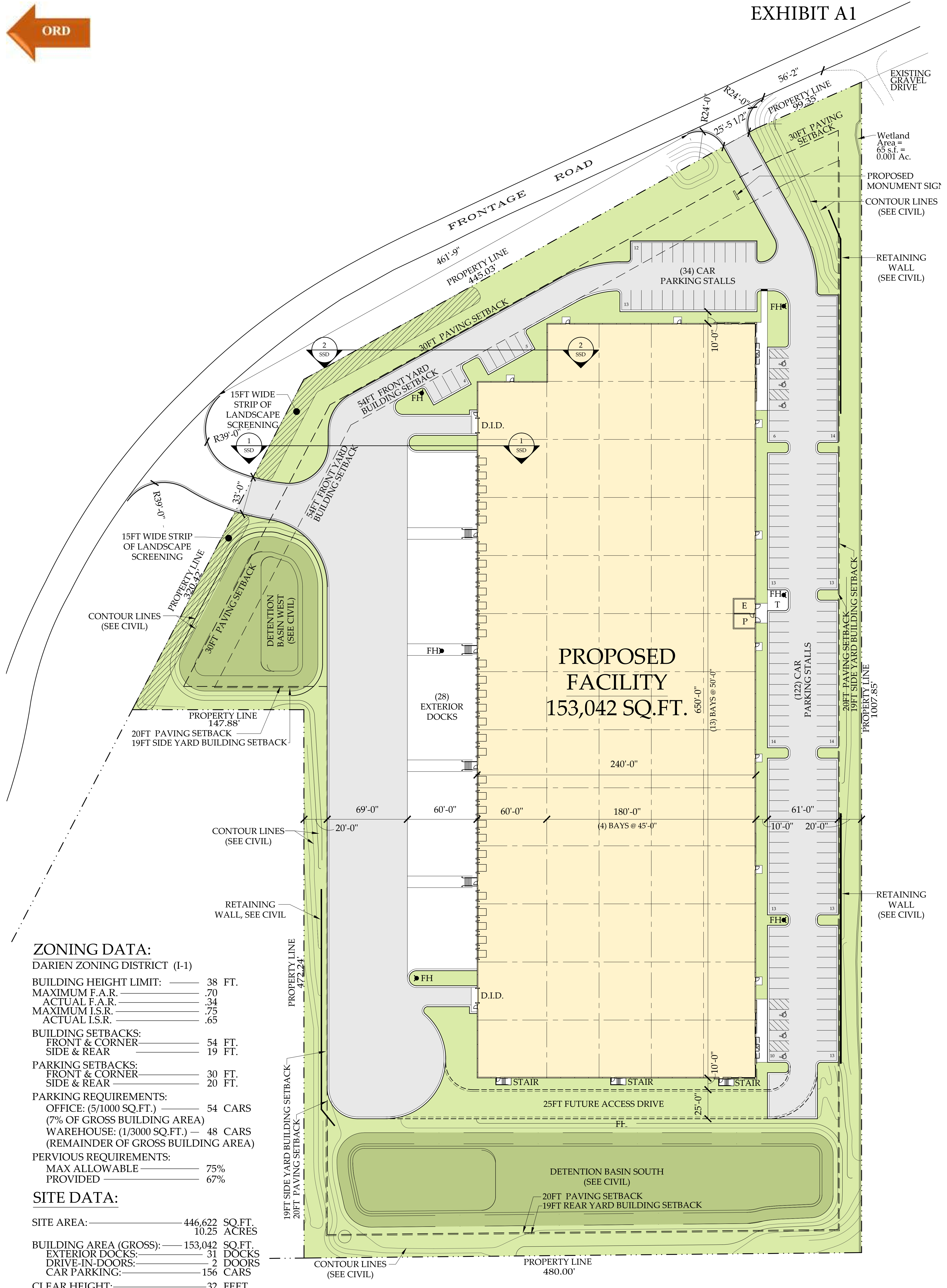
CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 676-4060 Fax: (847) 676-4065



FILENAME: 8552.04UT
 DATE: 07/13/18
 JOB NO. 8552.04
 SHEET 7 OF 15

SANITARY SEWER
EXTENSION EXHIBIT
 SPACECO
 07/20/18 - REVISED 07/27/18

X:\Projects\8552\8552-04-stereing\bay\ENG\8552.04UT.dgn Default: User=randerson



ZONING DATA:
 DARIEN ZONING DISTRICT (I-1)

BUILDING HEIGHT LIMIT:	38 FT.
MAXIMUM F.A.R.	.70
ACTUAL F.A.R.	.34
MAXIMUM I.S.R.	.75
ACTUAL I.S.R.	.65

BUILDING SETBACKS:

FRONT & CORNER	54 FT.
SIDE & REAR	19 FT.

PARKING SETBACKS:

FRONT & CORNER	30 FT.
SIDE & REAR	20 FT.

PARKING REQUIREMENTS:

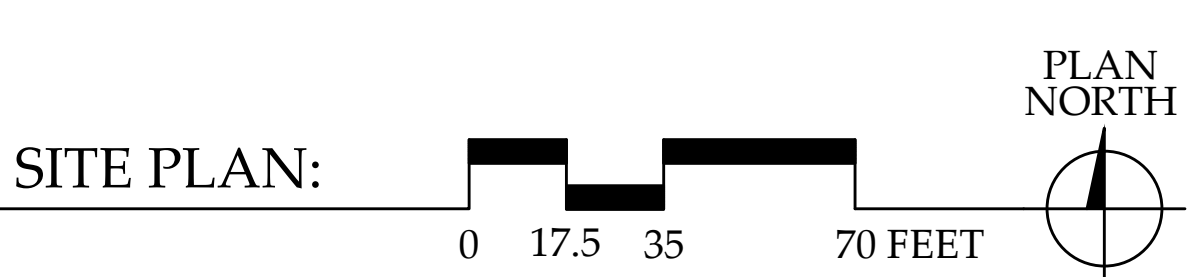
OFFICE: (5/1000 SQ.FT.)	54 CARS
(7% OF GROSS BUILDING AREA)	
WAREHOUSE: (1/3000 SQ.FT.)	48 CARS
(REMAINDER OF GROSS BUILDING AREA)	

PERVIOUS REQUIREMENTS:

MAX ALLOWABLE	75%
PROVIDED	67%

SITE DATA:

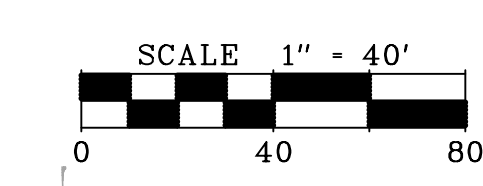
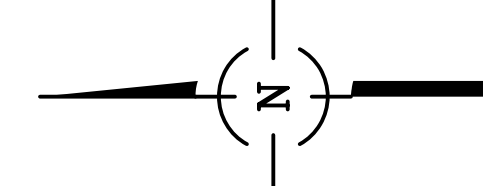
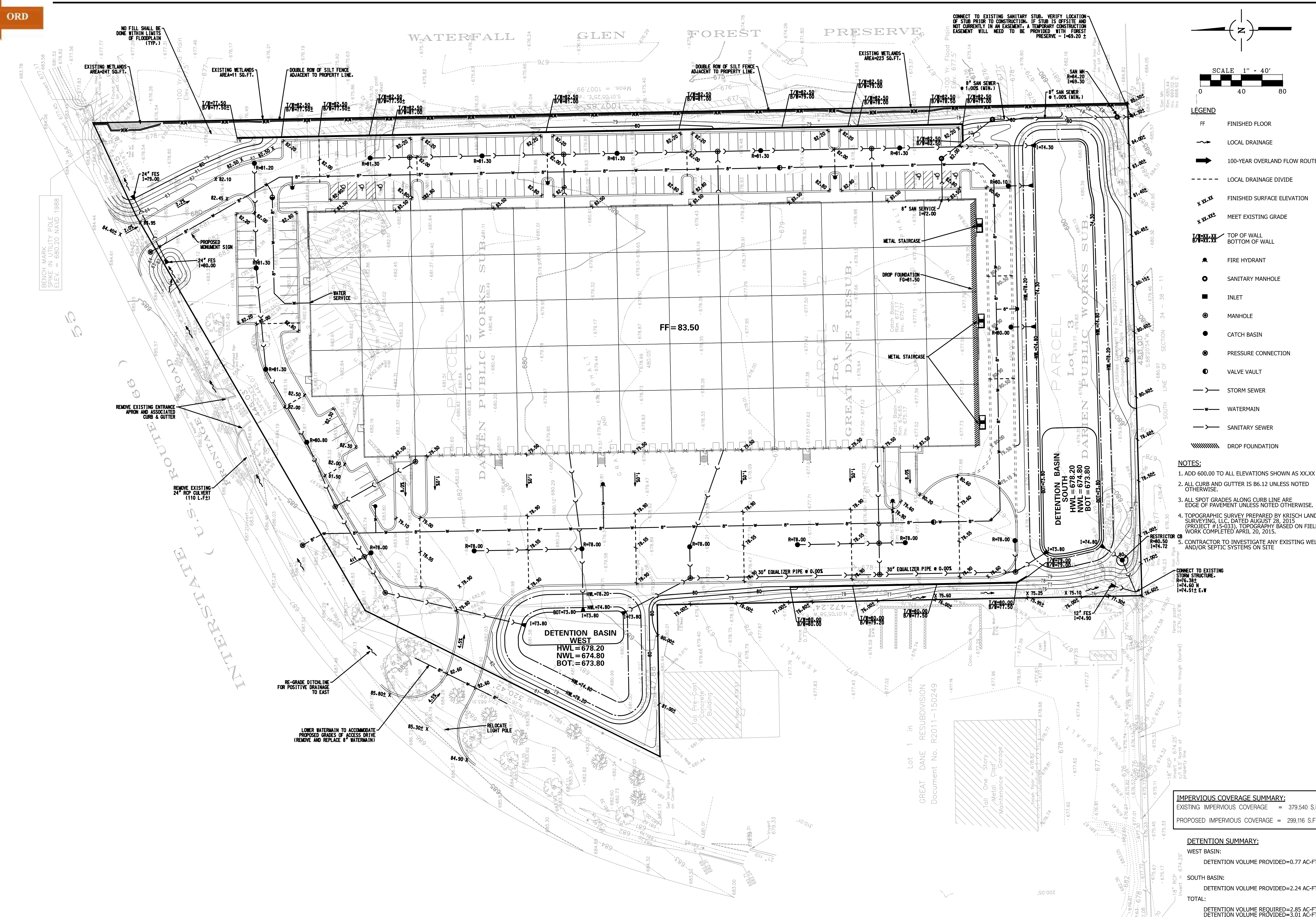
SITE AREA:	446,622 SQ.FT.	10.25 ACRES
BUILDING AREA (GROSS):	153,042 SQ.FT.	
EXTERIOR DOCKS:	31 DOCKS	
DRIVE-IN-DOORS:	2 DOORS	
CAR PARKING:	156 CARS	
CLEAR HEIGHT:	32 FEET	



PROPOSED FACILITY
 DARIEN, ILLINOIS

AUGUST 27, 2018 #14036

ORD



- LEGEND**
- FF FINISHED FLOOR
 - LOCAL DRAINAGE
 - 100-YEAR OVERLAND FLOW ROUTE
 - LOCAL DRAINAGE DIVIDE
 - X XX.XX FINISHED SURFACE ELEVATION
 - X XX.XXX MEET EXISTING GRADE
 - 1/4" XX.XX TOP OF WALL
 - 1/4" XX.XX BOTTOM OF WALL
 - FIRE HYDRANT
 - SANITARY MANHOLE
 - INLET
 - MANHOLE
 - CATCH BASIN
 - PRESSURE CONNECTION
 - VALVE VAULT
 - STORM SEWER
 - WATERMAIN
 - SANITARY SEWER
 - Drop Foundation

- NOTES:**
- ADD 600.00 TO ALL ELEVATIONS SHOWN AS XX.XX
 - ALL CURB AND GUTTER IS B6.12 UNLESS NOTED OTHERWISE.
 - ALL SPOT GRADES ALONG CURB LINE ARE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 - TOPOGRAPHIC SURVEY PREPARED BY KRISCH LAND SURVEYING, LLC, DATED AUGUST 28, 2015 (PROJECT #15-033). TOPOGRAPHY BASED ON FIELD WORK COMPLETED APRIL 20, 2015.
 - CONTRACTOR TO INVESTIGATE ANY EXISTING WELLS AND/OR SEPTIC SYSTEMS ON SITE

CONNECT TO EXISTING STORM STRUCTURE. R=76.385 I=74.60 N I=74.512 E, W

NO.	DATE	REVISIONS PER OWNER	REMARKS
3	06/19/18	REVISIONS PER VILLAGE	
2	06/13/18	REVISIONS PER OWNER	
1	06/06/18	REVISIONS PER OWNER	

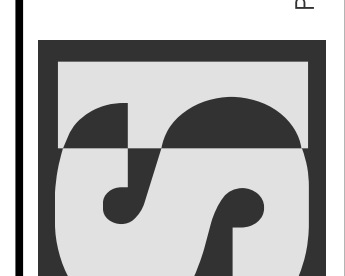
PRELIMINARY GRADING & UTILITY PLAN

CASS AVE. & I-55

DARIEN, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 676-4060 Fax: (847) 676-4065



SPACECO INC.

FILENAME:
8552.04P-ENG

DATE:
04/20/18

JOB NO.
8552.04

SHEET
P-ENG

1 OF 1

IMPERVIOUS COVERAGE SUMMARY:
 EXISTING IMPERVIOUS COVERAGE = 379,540 S.F.
 PROPOSED IMPERVIOUS COVERAGE = 299,116 S.F.

DETENTION SUMMARY:

WEST BASIN:
 DETENTION VOLUME PROVIDED=0.77 AC-FT

SOUTH BASIN:
 DETENTION VOLUME PROVIDED=2.24 AC-FT

TOTAL:
 DETENTION VOLUME REQUIRED=2.85 AC-FT
 DETENTION VOLUME PROVIDED=3.01 AC-FT

Proposed Office/Warehouse

1033 South Frontage Road
Darien, Illinois

DAVID R. McCALLUM ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
350 N. Milwaukee Avenue | Libertyville, Illinois 60048
T 847.382.0209 | F 847.382.0204



Landscape Plan



Table: Lo Pro Wet Mead Prairie with Flowers Seed Mix. Lists botanical and common names with quantities.

Table: Short Grass Prairie Seed Mix. Lists botanical and common names with quantities.

Table: Forbs. Lists botanical and common names with quantities.

Table: Emergent Seed Mix. Lists botanical and common names with quantities.

Table: Grasses, Sedges and Rubus. Lists botanical and common names with quantities.

Table: Perennials, Ornamental Grasses and Groundcovers. Lists botanical and common names with quantities.

Table: Shade Trees. Lists botanical and common names with quantities.

Table: Perimeter Yard Landscape Requirements. Lists botanical and common names with quantities.

Table: Shade Trees (continued). Lists botanical and common names with quantities.

Table: Plant List. Lists botanical and common names with quantities.

Table: Perimeter Yard Landscape Requirements (continued). Lists botanical and common names with quantities.

Table: Shade Trees (continued). Lists botanical and common names with quantities.

Table: Perimeter Yard Landscape Requirements (continued). Lists botanical and common names with quantities.

Table: Revision Log. Lists revision numbers, descriptions, and dates.

Table: Scale and Orientation. Includes scale (1" = 40') and north arrow.



EAST ELEVATION



WEST ELEVATION



NORTH ELEVATION



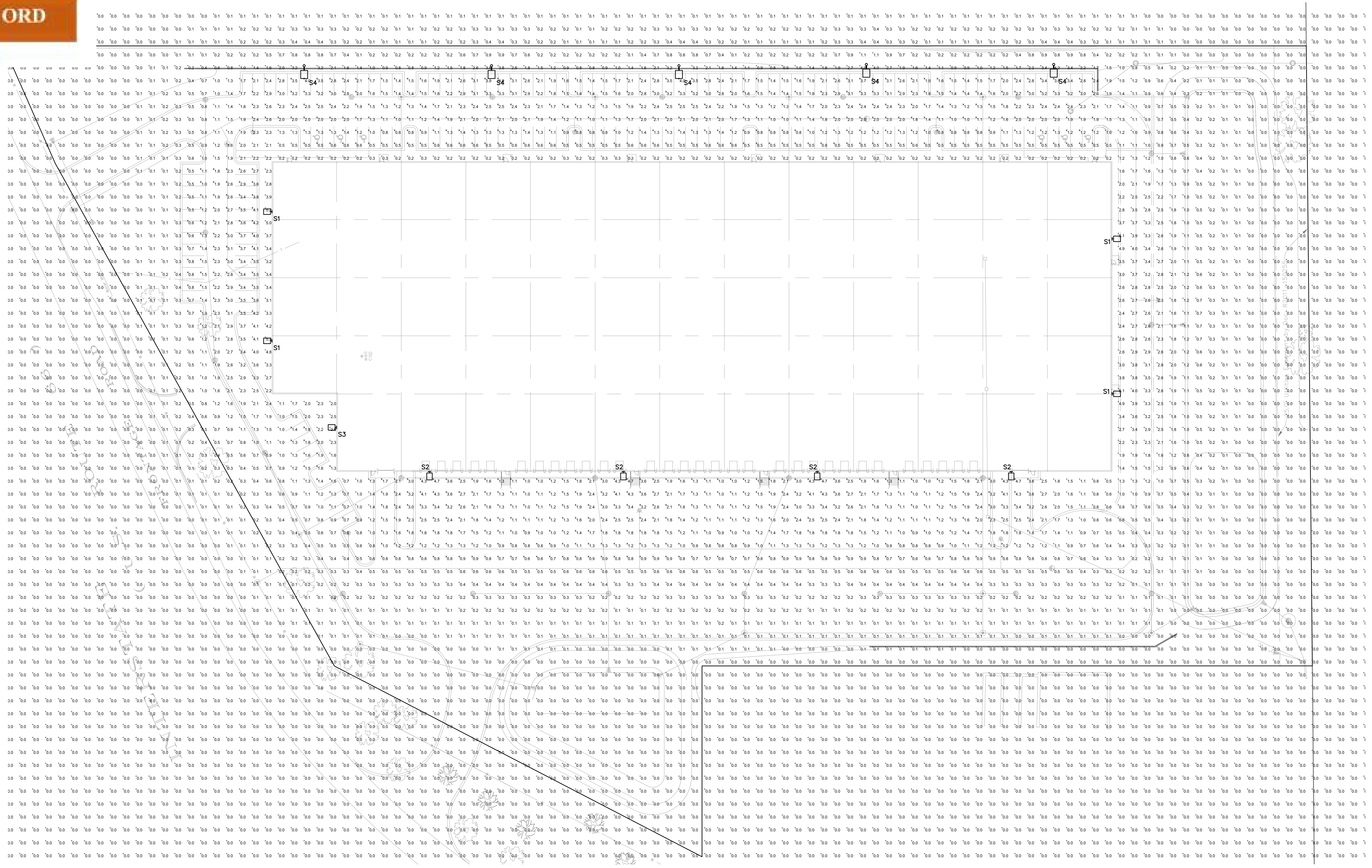
SOUTH ELEVATION



PARTIAL ENLARGED EAST ELEVATION



PARTIAL ENLARGED NORTH ELEVATION



E1
1
SITE PHOTOMETRIC PLAN
SCALE: 1/32" = 1'-0"
North

PHOTOMETRIC STATISTICS			
	AVERAGE	MINIMUM	UNIFORMITY RATIO
CAR PARKING	2.0fc	0.5fc	4.0:1

ALTERNATE SITE LUMINAIRE SCHEDULE					
CALLOUT	SYMBOL	DESCRIPTION	MODEL	INPUT VA	VOLTS
S1		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T3M-MVOLT-WBA-PIRH	207	277V 1P 2W
S2		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T4M-MVOLT-WBA-PIRH	207	277V 1P 2W
S3		LED WALL MTD. FIXTURE W/ MOTION SENSOR	LITHONIA DSX1-LED-P3-40K-T3M-MVOLT-WBA-PIRH	102	277V 1P 2W
S4		SINGLE HEADED LED FIXTURES MOUNTED ON A 25'-0" POLE W/ HOUSE SIDE SHIELD AND MOTION SENSOR	LITHONIA DSX1-LED-P8-40K-T3M-MVOLT-SPA-PIRH-HS	207	277V 1P 2W

CONNELLY ELECTRIC
 40 S. ADDISON RD.
 SUITE 100
 ADDISON, IL 60101
 P: (630) 543-9059
 F: (630) 543-9077

James J. Connelly
 062-002855
 expires 11-30-2019

signature _____
 date _____
 IL Design Firm Number: 184.00227

DARIEN
 PHOTOMETRIC PLAN
 DARIEN, IL

DRAWN BY:
 MJE
 CHECKED BY:
 JJC
 DATE:
 08/29/18
 CE JOB #:
 18-0000

REVISIONS:
 0 FOR REVIEW 08/06/18
 1 FOR REVIEW 08/29/18
E-1 OF 1

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

August 20, 2018

City of Darien
1702 Plainfield Road
Darien, IL 60561

Attention: Steve Manning

Subject: Sterling Bay Development
1035 South Frontage Road
(CBBEL Project No. 950323.H160)

Dear Steve:

As requested, we have reviewed the Final Site Improvement Plans and supporting documents for the above property prepared by SPACEO, Inc. SPACECO is an affiliated company of CBBEL, as you know, and has previously been approved to work on private development projects in the City. The following comments shall be addressed before we can recommend final approval:

Site Improvement Plans

1. The roof drains connect to storm sewers which extend away from the building, connecting to the main site storm sewer. Each of these roof drain lines cross the watermain and therefore must meet IEPA separation requirements. Although Detail Sheet D3 provided guidance, the Utility Plan (sheet UT) must specifically call for how each crossing will be addressed (i.e. specify the pipe material for the roof drain service line).
2. On the detail sheets, specify that all storm drains have a "Dump No Waste-Drains to Waterway" imprint.

Storm Water Report

1. Prior to final approval, DuPage County must certify compliance with respect to wetland, wetland buffer, and floodplain.

Site Lighting

1. The property lines must be depicted on the Photometric Plan to verify the illumination levels do not exceed City Ordinance.
2. Glare shields should be provided for the 3 proposed lights that are to be installed on the north side of the building along the frontage road.

3. Per the attached catalog cut, the DSX1 fixtures below are Dark Sky Compliant as they are full cut off and do not allow for uplighting, nuisance lighting or glare.
4. The mounting height of the proposed luminaire is not identified in the plans. Please provide proposed mounting heights of all proposed luminaires.

General Comments

1. This property is currently three separate lots in the Darien Public Works Subdivision and Great Dane Resubdivision. We understand that it will be subdivided into a single lot, but a plat has not been submitted for review.
2. Permits are required from the following agencies:
 - a. DuPage County for sanitary sewer connection.
 - b. DuPage County Public Works and IEPA for watermain construction.
 - c. IEPA for NPDES
3. We presume the plans will be sent to the fire protection district for comment on the site layouts, hydrant placement, and building fire department.
4. An engineer's opinion of construction cost is required.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in green ink, appearing to read "Daniel Lynch".

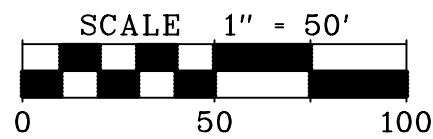
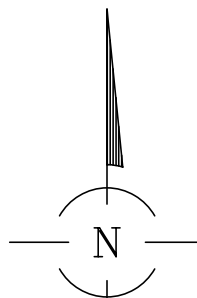
Daniel L. Lynch, PE, CFM
Head, Municipal Engineering Department

Cc Dan Gombac – City of Darien
Brett Duffy – Spaceco, Inc.

DARIEN SUBDIVISION

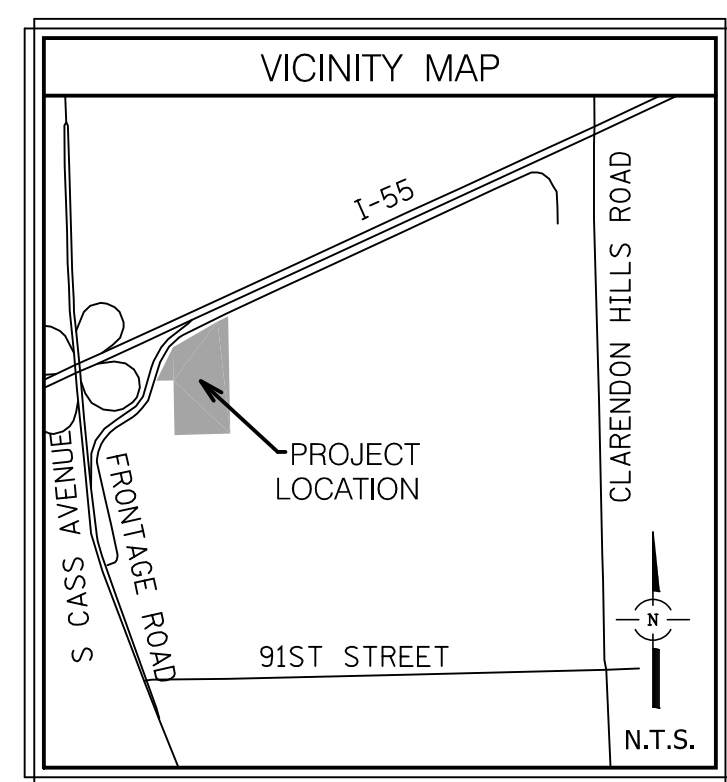
BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN DUPAGE COUNTY, ILLINOIS.

ORD

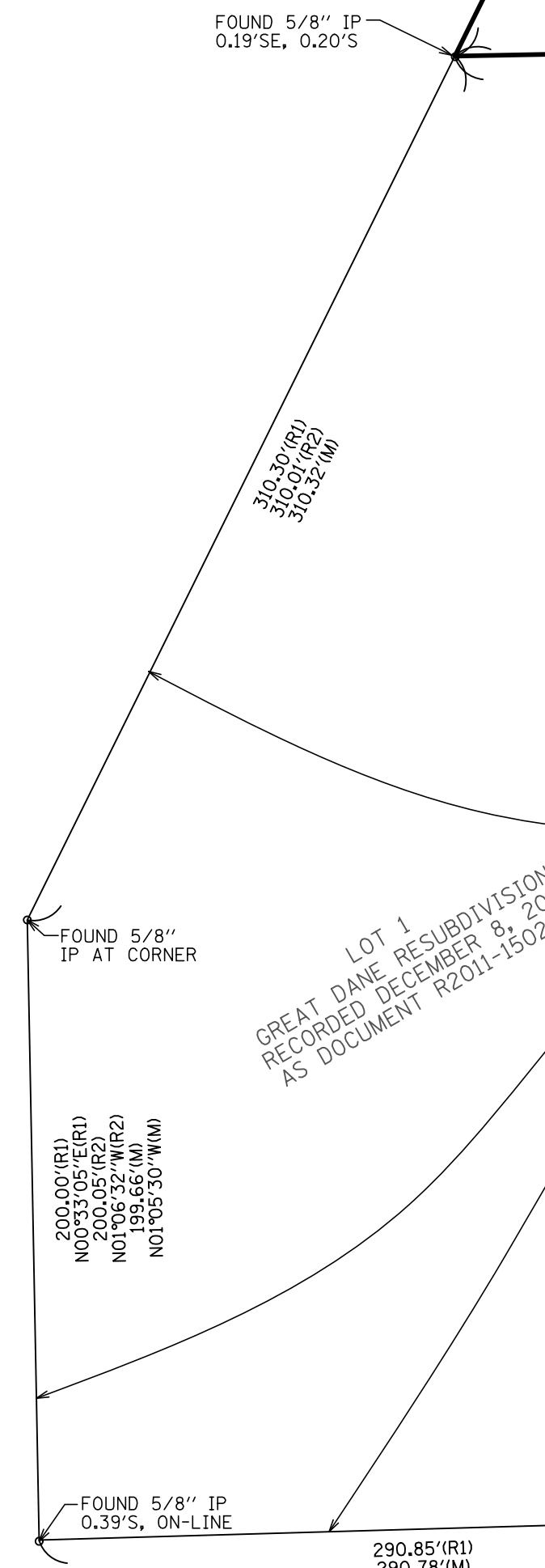


SCALE 1" = 50'
BASIS OF BEARINGS:
TRUE NORTH BASED ON GEODETIC
OBSERVATION IL EAST ZONE

NOTE: ALL BEARINGS AND DISTANCES ARE
MEASURED UNLESS OTHERWISE NOTED.



- RECORD PER DARIEN PUBLIC WORKS SUBDIVISION PER DOCUMENT R2004-075594 (R1)
- RECORD PER GREAT DANE RESUBDIVISION PER DOCUMENT R2011-150249 (R2)
- STORMWATER MANAGEMENT EASEMENT PER DOCUMENT R2004-075594
- HEREBY VACATED
- UTILITY EASEMENT PER DOCUMENT R2011-150255
- HEREBY VACATED
- WATERMAIN EASEMENT
- HEREBY GRANTED
- DETENTION POND EASEMENT
- HEREBY GRANTED



CITY ENGINEER'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, CITY ENGINEER OF THE CITY OF DARIEN, ILLINOIS, HEREBY CERTIFY THAT THE LAND IMPROVEMENTS DESCRIBED IN THE ANNEXED PLAT AND THE PLANS AND SPECIFICATIONS THEREOF MEET THE MINIMUM REQUIREMENTS OF SAID CITY AND HAVE BEEN APPROVED BY ALL PUBLIC AUTHORITIES HAVING JURISDICTION THEREON.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS
THIS ____ DAY OF _____, 20____.

CITY ENGINEER _____

CERTIFICATE AS TO SPECIAL ASSESSMENTS
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, CITY TREASURER OF THE CITY OF DARIEN, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT OR UNPAID CURRENT OR FORFEITED SPECIAL ASSESSMENTS OF ANY DEFERRED INSTALLMENTS THEREOF THAT HAVE BEEN APPORTIONED AGAINST THE TRACT OF LAND INCLUDED IN THE PLAT.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS
THIS ____ DAY OF _____, 20____.

CITY TREASURER _____

PLAN COMMISSION CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, CHAIRMAN OF THE PLAN COMMISSION OF THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS, HEREBY CERTIFY THAT THE PLANS AND SPECIFICATIONS DESCRIBED IN THE ANNEXED PLAT AND THE PLANS AND SPECIFICATIONS THEREOF MEET THE MINIMUM REQUIREMENTS OF SAID CITY AND HAVE BEEN APPROVED BY ALL PUBLIC AUTHORITIES HAVING JURISDICTION THEREON.

DATED AT DARIEN, DUPAGE COUNTY, ILLINOIS
THIS ____ DAY OF _____, 20____.

CHAIRMAN _____

PLAT SUBMITTED FOR RECORDING BY:

PREPARED FOR:
STERLING BAY
1040 WEST RANDOLPH STREET
CHICAGO, IL 60607

CITY CLERK'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, CITY CLERK OF THE CITY OF DARIEN, ILLINOIS, HEREBY CERTIFY THAT THE ANNEXED PLAT WAS PRESENTED TO AND BY RESOLUTION DULY APPROVED BY THE CITY COUNCIL OF SAID CITY AT ITS MEETING HELD ON _____, 20____, AND THAT THE REQUIRED BOND OR OTHER GUARANTEE HAS BEEN POSTED FOR THE COMPLETION OF THE IMPROVEMENTS REQUIRED BY THE REGULATIONS OF SAID CITY.

IN WITNESS WHEREOF I HAVE HERETO SET MY HAND AND THE SEAL OF THE CITY OF DARIEN, ILLINOIS.
THIS ____ DAY OF _____, 20____.

CITY CLERK _____

MAYOR'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS
THIS ____ DAY OF _____, 20____.

MAYOR _____

WATERMAIN EASEMENT PROVISIONS
EASEMENTS ARE RESERVED FOR AND GRANTED TO THE CITY OF DARIEN, DUPAGE COUNTY, ILLINOIS, FOR THE PERPETUAL RIGHT, PRIVILEGE AND AUTHORITY TO CONSTRUCT, RECONSTRUCT, MAINTAIN AND OPERATE VARIOUS UTILITY, TRANSMISSION AND DISTRIBUTION SYSTEMS INCLUDING WATER MAINS, VALVE VAULTS, CONNECTIONS AND HOBANTS TOGETHER WITH ANY OTHER STRUCTURES AND APPURTENANCES AS MAY BE DEEMED NECESSARY BY SAID CITY OF WEST CHICAGO OVER, UNDER, THROUGH OR THROUGH THE DESCRIBED AREA, AS NOTED BY "WATERMAIN EASEMENT" TOGETHER WITH THE RIGHT OF ACCESS ACROSS THE PROPERTY FOR NECESSARY PERSONS AND EQUIPMENT TO DO ANY OF THE ABOVE WORK. THE RIGHT IS ALSO GRANTED TO CUT DOWN, TRIM, OR REMOVE TREES, SHRUBS OR OTHER PLANTS ON THE EASEMENT THAT INTERFERE WITH THE OPERATION OF THE SEWERS OR OTHER UTILITIES. NO PERMANENT BUILDINGS OR OTHER STRUCTURES SHALL BE PLACED ON SAID EASEMENTS, BUT SAME MAY BE USED FOR GARDENS, SHRUBS, LANDSCAPING, TREES, PAVEMENT, AND OTHER PURPOSES THAT DO NOT THEN OR LATER INTERFERE WITH THE AFORESAID USES OR RIGHTS. EACH LOT OWNER SHALL BE RESPONSIBLE FOR LANDSCAPE RESTORATION, AND REPLACEMENT OF ALL PAVEMENT, CURB AND GUTTER, ETC AS NECESSITATED BY UTILITY REPAIR WORK.

FOR REVIEW

STORMWATER MANAGEMENT EASEMENT PROVISIONS
FOR THE PURPOSE OF PROVIDING SUFFICIENT DRAINAGE AND FLOOD CONTROL FOR THE BENEFIT OF THE SUBDIVISION AND PUBLIC GENERALLY, THE FOLLOWING EASEMENTS AND RESTRICTIONS ARE HEREBY DECLARED TO RUN WITH THE LAND AND BE BINDING ON THE OWNERS OF THE SUBDIVISION AND ITS SUCCESSORS, HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS.

- A PERPETUAL EASEMENT FOR STORMWATER DRAINAGE, DETENTION AND RETENTION PURPOSES IS HEREBY GRANTED TO THE CITY OF DARIEN, THE OWNERS OF LOTS 1 & 2 IN GREAT DANE RESUBDIVISION AND THE OWNERS OF LOTS 2 & 3 IN DARIEN PUBLIC WORKS SUBDIVISION, THEIR HEIRS, SUCCESSORS AND ASSIGNS, IN, OVER, UNDER, THROUGH, AND UPON SAID EASEMENT AREAS BOUNDED BY THE LOT LINE AND DASHED LINES SHOWN ON THIS PLAT AND INDICATED AS "STORMWATER MANAGEMENT EASEMENT". SAID GRANT OF EASEMENT SHALL INCLUDE THE RIGHT, BUT NOT THE OBLIGATION, FROM TIME TO TIME, TO CONSTRUCT, RECONSTRUCT, IMPROVE, KEEP, OPERATE, INSPECT, MAINTAIN, REPAIR, REPLACE, ENLARGE, RENEW, RELOCATE, REMOVE AND/OR INCREASE THE SIZE, NUMBER AND/OR TYPE OF DRAINAGE FACILITIES AND APPURTENANCES THERETO IN, OVER, UNDER, THROUGH AND UPON SAID EASEMENT AREAS AND TO ENTER UPON SAID EASEMENT AREAS FOR THOSE PURPOSES.
- NOTWITHSTANDING THE FORGOING, THE OWNER(S) OF EACH LOT UPON WHICH SAID EASEMENT AREAS ARE LOCATED, AND/OR THEIR SUCCESSORS, HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS, SHALL MAINTAIN SAID EASEMENT AREAS AND ANY AND ALL DRAINAGE FACILITIES AND APPURTENANCES THERETO LOCATED IN, OVER, UNDER, THROUGH, AND/OR UPON SAID LOT, INCLUDING, BUT NOT LIMITED TO, TREE ROOT AND VEGETATION REMOVAL, SOIL EROSION CONTROL, DITCH PROFILING, STORM SEWER CLEANING, BLOCKAGE REMOVAL AND REPLACEMENT OF STORM SEWER GRATES. NO OBSTRUCTION SHALL BE PLACED, NOR ALTERATIONS MADE, WHICH IN ANY MANNER IMPROVE OR DIMINISH STORMWATER DRAINAGE, DETENTION OR RETENTION IN, OVER, UNDER, THROUGH, OR UPON SAID EASEMENT AREAS, AS A MATTER OF RIGHT, BUT NOT OBLIGATION THE CITY OF DARIEN, THE OWNERS OF LOTS 1 & 2 IN GREAT DANE RESUBDIVISION AND THE OWNERS OF LOTS 2 & 3 IN DARIEN PUBLIC WORKS SUBDIVISION ARE HEREBY GRANTED THE RIGHT TO ENTER UPON SAID EASEMENT AREAS, PERFORM ANY MAINTENANCE, REMOVE ANY SUCH OBSTRUCTIONS AND/OR CORRECT ANY SUCH ALTERATIONS ON SAID EASEMENT AREAS, AND ANY EXPENSE INCURRED BY THE CITY IN THE EXERCISE OF SAID RIGHT SHALL BE A LIEN UPON THE PROPERTY WHEREON SUCH MAINTENANCE IS PERFORMED, UNTIL SUCH OBSTRUCTIONS ARE REMOVED AND/OR SUCH ALTERATION ARE CORRECTED.

FOR REVIEW

STORMWATER MANAGEMENT EASEMENT VACATION APPROVAL CERTIFICATE

I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE STORMWATER MANAGEMENT EASEMENT GRANTED BY DOCUMENT R2004-075594 AND HEREON SHOWN AS PART OF SAID REAL ESTATE, BEING HEREBY VACATED.

DATED THIS ____ DAY OF _____, 20____.
CITY OF DARIEN

BY: _____
(SIGNATURE)
NAME: _____
(PLEASE PRINT)

(INSERT OWNER) (LOT 2 GREAT DANE AND LOT 2 & 3 DARIEN OWNER)
BY: _____
(SIGNATURE)
NAME: _____
(PLEASE PRINT)

(INSERT OWNER) (PART OF LOT 1 DARIEN OWNER)
BY: _____
(SIGNATURE)
NAME: _____
(PLEASE PRINT)

INGRESS AND EGRESS EASEMENT VACATION APPROVAL CERTIFICATE

I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE INGRESS AND EGRESS EASEMENT GRANTED BY DOCUMENT R2004-075594 AND LOCATED WITHIN THE LIMITS OF THIS SUBDIVISION.

DATED THIS ____ DAY OF _____, 20____.
(INSERT OWNER) (LOT 3 DARIEN OWNER)

BY: _____
(SIGNATURE)
NAME: _____
(PLEASE PRINT)

UTILITY EASEMENT VACATION APPROVAL CERTIFICATE

I, THE UNDERSIGNED, HEREBY RELEASE AND ABROGATE ALL RIGHTS WITHIN THE UTILITY EASEMENT GRANTED BY DOCUMENT R2011-150255 AND HEREON SHOWN AS PART OF SAID REAL ESTATE, BEING HEREBY VACATED.

DATED THIS ____ DAY OF _____, 20____.
CITY OF DARIEN

BY: _____
(SIGNATURE)
NAME: _____
(PLEASE PRINT)

PROPERTY DESCRIPTION:
LOTS 2 AND 3 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 24, 2004 AS DOCUMENT R2004-075594 AND LOT 2 IN GREAT DANE RESUBDIVISION, BEING RESUBDIVISION OF LOT 1 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, RECORDED DECEMBER 8, 2011 AS DOCUMENT NUMBER R2011-150249, ALL IN DUPAGE COUNTY, ILLINOIS.

OWNER'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

THIS IS TO CERTIFY THAT THE UNDERSIGNED IS THE OWNER OF THE LAND DESCRIBED IN THE ANNEXED PLAT AND HAS CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED AS INDICATED THEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE STYLE AND TITLE THEREON HEREBY.

THE UNDERSIGNED HEREBY DEDICATED FOR PUBLIC USE THE LANDS SHOWN ON THIS PLAT FOR THOROUGHFARE, STREETS, ALLEYS AND PUBLIC SERVICES; AND HEREBY ALSO RESERVES AND GRANTS EASEMENTS FOR PUBLIC USE, AND FOR THE INSTALLATION OF VARIOUS PUBLIC UTILITIES AS DESIGNATED AND/OR AS STATED IN THE UTILITY EASEMENT PROVISIONS STATED HEREON.

ALL EASEMENTS INDICATED AS PUBLIC UTILITY EASEMENTS ON THIS PLAT ARE RESERVED FOR AND GRANTED TO THE CITY OF DARIEN AND TO ANY ENTITY OPERATING UNDER FRANCHISE FROM THE CITY INCLUDING, BUT NOT LIMITED TO, ILLINOIS BELL TELEPHONE COMPANY, NORTHERN ILLINOIS GAS COMPANY, COMMONWEALTH EDISON COMPANY, A CABLE TELEVISION OR COMMUNICATIONS COMPANY AND THEIR SUCCESSORS AND ASSIGNS FOR THE PERPETUAL RIGHT, PRIVILEGE AND AUTHORITY TO CONSTRUCT, RECONSTRUCT, REPAIR, INSPECT, MAINTAIN AND OPERATE VARIOUS TRANSMISSION DISTRIBUTION AND COLLECTION SYSTEMS AND ALL NECESSARY LINES, NECESSARY PERSONNEL AND EQUIPMENT TO DO ANY OF THE ABOVE WORK. THE RIGHT IS ALSO GRANTED TO CUT DOWN, TRIM OR REMOVE ANY TREES, SHRUBS OR OTHER PLANTS ON THE EASEMENT THAT INTERFERE WITH THE OPERATION OF THE SEWERS OR OTHER UTILITIES. NO PERMANENT BUILDINGS OR OTHER STRUCTURES SHALL BE PLACED ON SAID EASEMENTS, BUT SAME MAY BE USED FOR GARDENS, SHRUBS, LANDSCAPING AND OTHER PURPOSES THAT DO NOT THEN OR LATER INTERFERE WITH THE AFORESAID USES OR RIGHTS. LOCATION OF UTILITY INSTALLATIONS WITHIN THE EASEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF DARIEN AS TO DESIGN AND LOCATION. ALL INSTALLATIONS ARE SUBJECT TO THE ORDINANCES OF THE CITY OF DARIEN, AND THIS CERTIFICATE IS SUBJECT TO THE ORDINANCES OF THE CITY OF DARIEN.

THIS IS TO ALSO CERTIFY THAT THE PROPERTY BEING SUBDIVIDED AFORESAID, AND TO THE BEST OF OUR KNOWLEDGE AND BELIEF, SAID SUBDIVISION LIES ENTIRELY WITHIN THE LIMITS OF SCHOOL DISTRICT(S):
GRADE SCHOOL DISTRICT 63 (ELEMENTARY)
COMMUNITY HIGH SCHOOL DISTRICT 86 (HIGH SCHOOL)

DATED THIS ____ DAY OF _____, A.D. 20____.
SIGNED: _____

PRINTED NAME AND TITLE _____
ADDRESS: _____

NOTARY CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, A NOTARY PUBLIC, IN AND FOR SAID COUNTY, IN THE STATE AFORESAID, DO HEREBY CERTIFY THAT _____ IS PERSONALLY KNOWN BY ME TO BE THE SAME PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENT OWNERS, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT THEY SIGNED AND DELIVERED THE SAID INSTRUMENT AS THEIR OWN FREE AND VOLUNTARY ACT, FOR THE USES AND PURPOSES THEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTARIAL SEAL, THIS ____ DAY OF _____, A.D. 20____.
NOTARY PUBLIC _____

STATE LETTER REQUIREMENT
STATE OF ILLINOIS)
COUNTY OF _____) SS

TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF SUCH SUBDIVISION OR ANY PART THEREOF, OR THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, ADEQUATE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS OR DRAINS WHICH THE SUBDIVIDER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL NOT BE DEPOSITED ON THE PROPERTY OF ADJOINING LAND OWNERS IN SUCH CONCENTRATIONS AS MAY CAUSE DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

DATED THIS ____ DAY OF _____, A.D. 20____.

OWNER(S) OR DULY AUTHORIZED ATTORNEY _____

REGISTERED PROFESSIONAL ENGINEER, LICENSE NO. _____
LICENSE EXPIRES: _____

COUNTY CLERK CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, THE UNDERSIGNED, COUNTY CLERK OF DUPAGE COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT GENERAL TAXES, NO UNPAID FORFEITED TAXES AND NO UNPAID TAX SALES AGAINST ANY OF THE LAND INCLUDED IN THIS PLAT. I FURTHER CERTIFY THAT I HAVE RECEIVED ALL STATUTORY FEES IN CONNECTION WITH THIS PLAT.

THIS ____ DAY OF _____, A.D. 20____.

COUNTY CLERK _____

COUNTY RECORDER CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

THIS PLAT WAS FILED FOR RECORD IN THE RECORDER'S OFFICE OF DUPAGE COUNTY, ILLINOIS, ON THE ____ DAY OF _____, A.D. 20____ AT ____ O'CLOCK ____ M. AS DOCUMENT NUMBER _____.

COUNTY RECORDER _____
PLEASE PRINT NAME _____

SANITARY DISTRICT CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

I, _____, DO HEREBY CERTIFY THAT THE REQUIRED LETTER OF CREDIT IS POSTED FOR THE COMPLETION OF THE IMPROVEMENT COVERING SANITARY SEWAGE SYSTEM AND/OR SEWER LINES AND DOMESTIC WATER SUPPLY SYSTEM AND/OR DISTRIBUTION LINES UNDER JURISDICTION BASED ON APPROVED ENGINEER'S PLAN AND SPECIFICATIONS PREPARED BY A REGISTERED ENGINEER.

DATED THIS ____ DAY OF _____, 20____.

COUNTY SUPERINTENDENT OF PUBLIC WORKS DEPT. _____

STATE OF ILLINOIS)
COUNTY OF COOK) SS

WE DECLARE THAT THE ABOVE DESCRIBED PROPERTY WAS SURVEYED AND SUBDIVIDED BY SPACECO, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-00157, AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY. ALL DISTANCES ARE SHOWN IN FEET AND DECIMALS THEREOF.

SAID PROPERTY CONTAINS 446,540 SQUARE FEET OR 10.251 ACRES, MORE OR LESS.

WE FURTHER DECLARE, BASED UPON A REVIEW OF THE FLOOD INSURANCE RATE MAP (F.I.R.M.) COMMUNITY PANEL/ MAP NUMBER 17043C0908H WITH EFFECTIVE DATE DECEMBER 16, 2004, IT IS OUR CONSIDERED OPINION THAT THIS PROPERTY LIES WITHIN "ZONE X UNSHADDED" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED BY SAID F.I.R.M. MAP AND "ZONE A UNSHADDED" AREAS DETERMINED TO BE OUTSIDE THE 1% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED BY SAID F.I.R.M. MAP. THE FLOOD THAT HAS A 1% CHANCE OF OCCURRING IN ANY GIVEN YEAR WITH BASE FLOOD ELEVATIONS DETERMINED AREA AS IDENTIFIED BY SAID F.I.R.M. MAP.

WE FURTHER DECLARE THAT STEEL REINFORCING RODS (UNLESS OTHERWISE NOTED) WILL BE SET AT ALL LOT CORNERS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, AS APPLICABLE TO PLATS OF SUBDIVISION.
GIVEN UNDER MY HAND AND SEAL THIS ____ DAY OF _____, 20____ IN ROSEMONT, ILLINOIS.

BRIAN LOUNSBURY, I.P.L.S. No. 035-2841
LICENSE EXPIRES 11-30-2018
(VALID ONLY IF EMBOSSED SEAL AFFIXED)

FOR REVIEW PURPOSES ONLY

REVISIONS:	DATE: 08/09/2018
CONSULTING ENGINEERS	JOB NO: 8552.04
SITE DEVELOPMENT ENGINEERS	FILENAME: 8552.04SUB-01
LAND SURVEYORS	SHEET 1 OF 1

9575 W. Higgins Road, Suite 700
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065



**Forest Preserve District
of DuPage County**

35580 Naperville Road
P.O. Box 5000
Wheaton, IL 60189

630.933.7200
Fax 630.933.7204
TTY 800.526.0857
dupageforest.org

Sent VIA e-mail: smanning@darien.gov

July 18, 2018

Louis Mallers, Chairperson
Planning and Zoning Commission
City of Darien
1702 Plainfield Rd.
Darien, IL 60561

Re: Public Hearing Notice for property located at 1035 S. Frontage Road, Darien
PINs: 09-34-303-025, 09-34-303-027, and 09-34-303-029

Dear Mr. Mallers,

It is the understanding of the Forest Preserve District of DuPage County (FPDDC) that a public hearing is scheduled for Wednesday, July 18, 2018 for a petition to vary the height of a proposed industrial building on Frontage Road in Darien. Please note that the FPDDC did not receive the public hearing notice from the City of Darien, but received the public hearing notice via e-mail from a 3rd party on Monday, July 16, 2018.

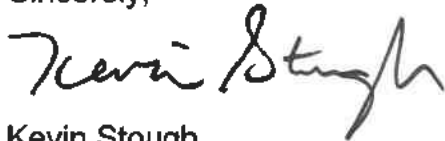
The FPDDC owns the property known as Waterfall Glen Forest Preserve, which is adjacent to the subject property (to the East and South). To the East of the subject property is wetlands and to the South of the subject property is woodlands. FPDDC staff have reviewed the public hearing notice and associated plans and following are our comments:

1. The FPDDC is concerned that high levels of illumination will encroach into the preserve. Outdoor lighting should be shielded and of a brightness so as to minimize impacts on the FPDDC property. It is also recommended that the outdoor lighting be Dark-Sky compliant.
2. The FPDDC is committed to protecting water quality and recommends that the owner refrain from using asphalt sealants that contain coal tar products in the future. These sealants contain Polycyclic Aromatic Hydrocarbons (PAHs) which pose adverse threats to aquatic organisms, plants, and humans when subjected to long-term exposure. Suitable alternatives to coal tar products exist.

3. If access to FPDDC property to connect to the existing sanitary sewer to the Southeast of the subject property is needed, a License will be required. The City of Darien can contact me regarding the requirements for a License.

We hope you will allow us the opportunity to review and comment on any revisions to plans as this project moves forward. Please consider this as the Forest Preserve District's request that this letter be read and entered into the public record at the hearing on Wednesday, July 18, 2018. If you have any questions, please contact me at (630) 933-7235.

Sincerely,



Kevin Stough
Land Preservation Manager

cc: Joseph Cantore, President
FPDDC Commissioners
Ed Stevenson, Executive Director
Dan Zinnen, Director of Resource Management and Development



CITY OF DARIEN

DU PAGE COUNTY, ILLINOIS

ORDINANCE NO. _____

**AN ORDINANCE APPROVING A VARIATION TO THE
DARIEN ZONING ORDINANCE**

(PZC 2018-06 1035 S. Frontage Road Sterling Bay)

ADOPTED BY THE

MAYOR AND CITY COUNCIL

OF THE

CITY OF DARIEN

THIS 4TH DAY OF SEPTEMBER, 2018

**Published in pamphlet form by authority
of the Mayor and City Council of the City
of Darien, DuPage County, Illinois, this
_____ day of September, 2018.**

ORDINANCE NO. _____

**AN ORDINANCE APPROVING A VARIATION FROM THE
DARIEN ZONING ORDINANCE AND GRANTING SITE PLAN APPROVAL**

(PZC 2018-06 1035 S. Frontage Road Sterling Bay)

WHEREAS, the City of Darien is a home rule unit of local government pursuant to the provisions of Article VII, Section 6 of the Illinois Constitution of 1970; and

WHEREAS, as a home rule unit of local government, the City may exercise any power and perform any function pertaining to its government except as limited by Article VII, Section 6; and

WHEREAS, the property legally described in Section 1 (the “Subject Property”), is zoned I-1 General Industrial District pursuant to the Darien Zoning Ordinance; and

WHEREAS, the contract purchaser of the Subject Property has requested approval of a variation from the requirement of Section 5A-9-4-8 of the Darien Zoning Ordinance to allow a thirty-nine (39) foot building height for their proposed office/warehouse building; and

WHEREAS, pursuant to proper legal notice, a public hearing on said petition for variation was held before the Planning and Zoning Commission on July 18, 2018; and

WHEREAS, the Planning and Zoning Commission at its regular meeting of July 18, 2018 recommended approval of the petition herein described and has forwarded its findings and recommendation of approval to the City Council; and

WHEREAS, on August 27, 2018, the Municipal Services Committee of the City Council reviewed the petition and the site plans of the Petitioner and has forwarded its recommendation of approval of said petition to the City Council; and

ORDINANCE NO. _____

WHEREAS, the City Council has reviewed the findings and recommendations described above and now determines to grant the petition subject to the terms, conditions and limitations described below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, IN THE EXERCISE OF ITS HOME RULE POWERS, as follows:

SECTION 1: Subject Property. This Ordinance is limited and restricted to the property generally located at 1035 S. Frontage Road, Darien, Illinois, and legally described as follows:

PARCEL 1: LOTS 2 AND 3 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 24, 2004 AS DOCUMENT R2004-075594, IN DUPAGE COUNTY, ILLINOIS.
PARCEL NUMBERS 0-9-34-303-025 & 09-34-303-027

PARCEL 2: LOT 2 IN GREAT DANE RESUBDIVISION, BEING A RESUBDIVISION OF LOT 1 IN DARIEN PUBLIC WORKS SUBDIVISION, BEING A SUBDIVISION IN PART OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 38 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, RECORDED DECEMBER 8, 2011 AS DOCUMENT R2011-150249, IN DUPAGE COUNTY, ILLINOIS.
PARCEL NUMBER 09-34-303-029

SECTION 2: Variation from Zoning Ordinance Granted. A variation from the Zoning Ordinance, Section 5A-9-4-8 is hereby granted to allow a maximum building height of thirty-nine (39) feet.

SECTION 3: Site Plan Approval. Pursuant to the Zoning Ordinance, Section 5A-2-2-1, site plan approval is hereby granted, subject to the following:

- A. Development of the Subject Property shall be in substantial conformance to the following plan documents attached hereto as Exhibits numbered as follows:

ORDINANCE NO. _____

1. [“Proposed Facility” 08/27/18, Cornerstone Architects](#)
 2. [“Preliminary Grading & Utility Plan’ Revised 06/19/18, Spaceco, Inc.](#)
 3. [“Landscape Plan” Revised 08/27/18, McCallum Associates](#)
 4. [“Proposed Facility” elevations 08/27/18, Cornerstone Architects](#)
 5. [“Photometric Plan” 08/29/18, Connelly Electric](#)
- B. Development of the Subject Property shall be in substantial conformance with the following conditions:
1. [Letter on ‘Sterling Bay Development’](#) from Daniel L. Lynch, Christopher B. Burke Engineering Ltd, August 20, 2018.
 2. Comments on site plans as submitted by Tri-State Fire District.
 3. [Plat of lot consolidation](#) to be submitted by Sterling Bay and approved by the City.
 4. DuPage County Stormwater Permit to be submitted by Sterling Bay and approved by the City.
 5. [Letter on ‘Property located at 1035 S. Frontage Road’ from Kevin Stough,](#) Forest Preserve District of DuPage County, July 18, 2018.
 6. Contribution of \$50,000 from Sterling Bay to the City for Public Works facility site improvements.

ORDINANCE NO. _____

- 7. Sanitary Service – The developer will extend the sanitary sewer to the limits of their property for a future sanitary service for the Public Works facility.

SECTION 4: Home Rule. This ordinance and each of its terms shall be the effective legislative act of a home rule municipality without regard to whether such ordinance should (a) contain terms contrary to the provisions of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the intent of the corporate authorities of the City of Darien that to the extent of the terms of this ordinance should be inconsistent with any non-preemptive state law, that this ordinance shall supercede state law in that regard within its jurisdiction.

SECTION 5: Effective Date. This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL OF THE CITY OF DARIEN, DU PAGE COUNTY, ILLINOIS, this 4th day of September, 2018.

AYES: _____

NAYS: _____

ABSENT: _____

ORDINANCE NO. _____

**APPROVED BY THE MAYOR OF THE CITY OF DARIEN, DU PAGE COUNTY,
ILLINOIS, this 4th day of September, 2018.**

KATHLEEN MOESLE WEAVER, MAYOR

ATTEST:

JOANNE E. RAGONA, CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

CITY OF DARIEN

RULES FOR COMPLIANCE WITH PUBLIC COMMENT REQUIREMENTS OF THE ILLINOIS OPEN MEETINGS ACT

I. PURPOSE OF RULES.

The purpose of these Rules is to comply with the requirement of Section 2.06 of the Illinois Open Meetings Act that a public comment section be provided at each meeting subject to the Open Meetings Act.

II. DEFINITION OF “PUBLIC BODY” or “BODY.”

For purposes of these Rules, the term “Public Body” or “Body” shall mean the City Council, any Committee of the City Council, and any Board and Commission established by the City Council.

III. RULES GOVERNING PUBLIC COMMENT.

A. Unless otherwise allowed by a majority vote of the Body, the public comment periods shall be as follows:

1. For the City Council, as set forth on the attached **Agenda template**.
2. For Council committees and advisory committees, at the conclusion of the meeting immediately before adjournment. At the direction of the Body, the floor may be opened for public comment in conjunction with specific agenda items.

B. Individuals seeking to make public comment to the Body shall be formally recognized by the Chair.

C. Individuals addressing the Body shall identify themselves by name, but need not provide their home address.

D. Individuals addressing the Body shall do so by addressing their comments to the Body

itself and shall not turn to address the audience.

E. Public comment time shall be limited to three (3) minutes per person.

F. An individual will be allowed a second opportunity to address the Body only after all other interested persons have addressed the Body and only upon the majority vote of the Body.

G. In the case of a special meeting, public comment will be limited to subject matters germane to the agenda of the special meeting.

IV. PUBLIC HEARING REQUIREMENTS.

Additional public comments periods will be allowed as required by law in the case of public hearing, subject to the same time constraints.

Approved by a Motion on November 17, 2014