



City of Chicago



O2020-5621

Office of the City Clerk

Document Tracking Sheet

Meeting Date:	11/16/2020
Sponsor(s):	Misc. Transmittal
Type:	Ordinance
Title:	Zoning Reclassification Map No. 8-I at 3151 S California Ave - App No. 20540
Committee(s) Assignment:	Committee on Zoning, Landmarks and Building Standards

#20540
INTRO DATE
NOV 16, 2020

ORDINANCE

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHICAGO:

SECTION 1. Title 17, of the Municipal Code of Chicago, the Chicago Zoning Ordinance be amended by changing all the M3-3 Heavy Industry District, symbols and indications as shown on Map No. 8-I in the area bounded by

Beginning at the centerline of West 31st Street or the line thereof if extended where no street exists; a line 1,964.72 feet east of and parallel to the centerline of South California Avenue; the Sanitary Drainage & Ship Canal Main Channel; the centerline of South California Avenue; and the southerly line of the Chicago & Illinois Western Railway right-of way running northeast to the point of beginning,

to those of a Waterway-Industrial Planned Development No. _____ which is hereby established in the area described above, subject in such use and bulk regulations as are set forth in the Planned Development herewith attached and made a part hereof and to no others.

SECTION 3. This ordinance shall be in force and effect from and after its passage and due publication.

Common address of property: 3151 South California Avenue

WATERWAY-INDUSTRIAL PLANNED DEVELOPMENT No. _____
PLAN OF DEVELOPMENT STATEMENTS

1. The area delineated herein as Waterway-Industrial Planned Development No. _____, (the "Planned Development") consists of five hundred sixteen thousand, and two (516,002) square feet or eleven point eight four nine (11.849) acres of land which is depicted on the attached Planned Development Boundary and Property Line Map (the "Property") and is owned by the Metropolitan Water Reclamation District of Greater Chicago (the "MWRD"), and leased to (the "Applicants") Lakeshore Recycling Systems (Sub-Area A) and Ozinga Materials and Logistics (Sub-Area B).

2. The requirements, obligations and conditions contained within this Planned Development shall be binding upon the Applicant, its successors and assigns and, if different than the Applicant, the legal title holders and any ground lessors. All rights granted hereunder to the Applicant shall inure to the benefit of the applicant's successors and assigns and, if different than the applicant, the legal title holder and any ground lessors. Furthermore, pursuant to the requirements of Section 17-8-0400 of the Chicago Zoning Ordinance, the Property, at the time application for amendments, modifications or changes (administrative, legislative or otherwise) to this Planned Development are made, shall be under single ownership or designated control. Single designated control is defined in Section 17-8-0400 of the Chicago Zoning Ordinance.

3. All applicable official reviews, approvals or permits are required to be obtained by the Applicant or its successors, assignees or grantees. Any dedication or vacation of streets or alleys or grants of easements or any adjustments of the right-of-way shall require a separate submittal to the Department of Transportation on behalf of the Applicant or its successors, assigns or grantees. Any requests for grants and/or privilege, or any items encroaching on the public way, shall be in compliance with the Planned Development.

Ingress or egress shall be pursuant to the Planned Development and may be subject to the review and approval of the Department of Planning and Development and Transportation. Closure of all or any public street or alley during demolition or construction shall be subject to the review and approval of the Dept. of Transportation.

All work proposed in the public way must be designed and constructed in accordance with the Department of Transportation Construction Standards for Work in the Public way and in compliance with the Municipal Code of the City of Chicago. Prior to the issuance of any Part II approval, the submitted plans must be approved by the CDOT.

Applicants: Lakeshore Recycling Systems and Ozinga Materials and Logistics
Address: 3151 South California Avenue
Introduced: November 00, 2019
Plan Commission:

4. This Plan of Development consists of seventeen (17) Statements: a Bulk Regulations and Data Table; an Existing Zoning Map; a Planned Development Boundary and Property Line Map, Existing Land-Use Map, Existing Site Plan, Streetscape Plan, Building Elevations: Existing Floor Plans, Construction and Demolition Processing, Elevations: Pedestrian & Connectivity Map, Elevations: Vehicular & Loading/Unloading Access Plan, and proposed Sub-Area Map prepared by Hutter Architects, Ltd. and dated November 00, 2019 submitted herein. In any instance where a provision of this Planned Development conflicts with the Chicago Building Code, the Building Code shall control. This Planned Development conforms to the intent and purpose of the Zoning Ordinance, and all requirements thereto, and satisfies the established criteria for approval as a Planned Development. In case of a conflict between the terms of this Planned Development ordinance and the Zoning Ordinance, this Planned Development ordinance shall control.
5. The following uses are allowed in the area delineated herein as Waterway-Industrial Planned Development:
 - Sub-Area A: Storage, repair and maintenance of waste industry storage containers and vehicles; material storage and equipment storage; administrative offices; off-street parking and loading; and all other use permitted in the M3-3 Heavy Industry District.
 - Sub-Area B: Re-processable construction and demolition material facility; recycling, transfer and material storage: such as stone, brick, block, sand, soils, and deicing salts (seasonal); storage and transfer of scrap metals; vehicle parking and maintenance; continued barge terminal operations which includes the loading, unloading, and storage of bulk materials.
6. On-Premise signs and temporary signs such as construction and marketing signs shall be permitted within the Planned Development subject to the review and approval of the Department of Planning and Development. Off-premise signs are prohibited within the boundary of this Planned Development.
7. For purposes of height of any measurement, the definitions in the Zoning Ordinance shall apply. The height of any building shall also be subject to height limitations established by the (FAA) Federal Aviation Administration.
8. The maximum permitted floor area ratio (F.A.R.) for the site shall be in accordance with the attached Bulk Regulations and Data Table. For the purposes of FAR

Applicant: Lakeshore Recycling Systems and Ozinga Material and Logistics
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calculations and floor area measurements, the definitions in the Zoning Ordinance shall apply. The permitted FAR identified in the Bulk Regulations and Data Table has been determined using the Net Site Area of 516,002 square feet (11.849 acres) and a maximum FAR of 0.50.

9. Upon review and determination, "Part II Review", pursuant to section 17-13-0610 of the Zoning Ordinance, a Part II Review fee shall be assessed by the Department of Planning and Development. The fee, as determined by staff at the time, is final and binding on the Applicant and must be paid to the Department of Revenue prior to the issuance of any Part II Approval.
10. The Site and Landscape Plans shall be in substantial conformance with the Landscape Ordinance and any corresponding regulations and guidelines including Section 17-13-0880. Final landscape plan review and approval will be by the Department of Planning and Development. Any interim review associated with site plan review or Part II reviews, are conditional until final Part II approval.
11. The Applicant shall comply with Rules and Regulations for the maintenance of stockpiles promulgated by the Commissioners of Street and Sanitation and Fleet, and Facility Management and Buildings, under Section 13-32-085, or any other provision of the Municipal Code of Chicago.
12. The terms and conditions of development under this Planned Development ordinance may be modified administratively, pursuant to Section 17-13-0611-A of the Zoning Administrator upon the application for such modification by the applicant, its successors and assigns and, if different than the Applicant, the legal titleholders and any ground lessors.
13. The Applicant acknowledges that it is in the public interest to design, construct and maintain the project in a manner which promotes, enables and maximizes universal access throughout the Property. Plans for all buildings and improvements on the property shall be reviewed and approved by the Mayor's Office for People with Disabilities to ensure compliance with all applicable laws and regulations related to access for persons with disabilities and to promote the highest standard of accessibility.
14. The Applicant acknowledges that is in the public interest to design, construct, renovate and maintain all buildings in a manner that provides healthier indoor environments, reduces operating costs and conserves energy and maximizes the preservation of natural resources. At the time of a hearing before the Chicago Plan Commission, all development

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must be in substantial compliance with the current City of Chicago Sustainable Development Policy set forth by the Department of Planning and Development. List all aspects of the proposed Planned Development that bring it into compliance with the Sustainable Development Policy, including other major sustainable elements of the project.

15. The Applicant acknowledges that it is the policy of the City to maximize opportunities for Minority and Woman-owned Business Enterprises (“M/WBEs”) and city residents to compete for contracts and jobs on construction projects approved through the planned development process. To assist the city promoting and tracking such M/WBE and city resident’s participation, an applicant for planned development approval shall provide information at three points in the city approval process. First, the applicant must submit to DPD, as part of its application for planned development approval, an M/WBE Participation proposal. The M/WBE participation Proposal must identify the applicant’s goals for participation of certified M/WBE firms in the design, engineering and construction of the project, and of city residents in the construction work. The city encourages goals of (i) 26% MBE and 6% WBE participation (measured against the total construction budget for the project or any phase thereof), and (ii) 50% city residents hiring (measured against the total construction hours for the project or any phase thereof). The M/WBE participation proposal must include a description of the Applicant’ proposed outreach plan designed to inform M/WBEs and city residents for job and contracting opportunities. Second, at the time the Applicant’s submission for a Part II permit review for the project or any phase thereof, the Applicant must submit to DPD (a) updates (if any) to the Applicant’s preliminary outreach plan, (b) a description of the Applicant’s outreach efforts and evidence of such outreach, including without limitations, copies of certified letters to M/WBE contractor associations and ward the offices of the alderman in which the project is located and receipts thereof; (c) responses to the Applicant’s outreach efforts and (d) updates (if any) to the applicant’s M/WBE and city resident participation goals. Third, prior to issuance of a Certificate of Occupancy for the project or any phase thereof, the Applicant must provide DPD with the actual level of M/WBE and city residents participation in the project or any phase thereof, and evidence of such participation. In addition to the forgoing, DPD may request such additional information as the department determines may be necessary or useful in evaluating the extent to which M/WBEs and city residents are informed of utilized in planned development projects. All such information will be provided in a form acceptable to the Zoning Administrator. DPD will report the date it collects regarding projected and actual employment of M/WBEs and city residents in planned development projects twice yearly to the Chicago Plan Commission and annually to the Chicago City Council and the Mayor.

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Introduced: November 00, 2019
Plan Commission:

(5)

16. The Applicant acknowledges the importance of the Chicago River as a resource for both commerce and recreation and also acknowledges the City's goals of improving the appearance, quality and accessibility of the river, as contained in the waterways planned development guidelines contain in the Zoning Ordinance (Sec. 17-8-0912) and the Chicago River Corridor Guidelines and Standards.
17. This Planned Development shall be governed by Section 17-13-0612 of the Zoning Ordinance. Should this Planned Development lapse, the Commissioner of Planning and Development shall initiate a Zoning Map Amendment to rezone the property to a M3-3 Heavy Industry District.

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Plan Commission:

WATERWAY-INDUSTRIAL PLANNED DEVELOPMENT No. _____

BULK REGULATIONS AND DATA TABLE

Gross Site Area (1):	831,982 square feet (19.09 acres)
Right-of-Way and Waterway Areas (2):	315,980 square feet (7.25 acres)
Net Site Area:	516,002 square feet (11.84 acres)
Net Site Area of Sub-Areas:	318,087 sq. ft. (Sub-Area A) 197,915 sq. ft. (Sub-Area B)
Maximum Floor Area Ratio:	0.50
Minimum Number of Off-Street Parking Spaces to be provided:	13 off-street spaces
Minimum Setbacks:	West boundary of property: 0 feet South boundary of property: 0 feet North boundary of property: 0 feet
Minimum Off-Street Loading Spaces:	two (2) spaces @ 10' x 50' each
Setbacks from Property Line:	In substantial conformance with the attached Site Plan
Maximum Percent Site Coverage:	In accord with Attached Site Plan

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- (1) Gross Site Area = Net Site Area plus Right-of-Way and Waterway Areas.
 - (2) Right-of-Way and Waterway areas are measured from the centerline of the Sanitary and Ship Canal and the center line of South California Avenue.

Applicants: Lakeshore Recycling Systems and Ozinga Materials and Logistics
Address: 3151 South California Avenue
Introduced: November 00, 2019
Plan Commission:

CITY OF CHICAGO
APPLICATION FOR AN AMENDMENT TO
THE CHICAGO ZONING ORDINANCE

#20540
INTRO DATE
Nov 16, 2020

1. ADDRESS of the property Applicant is seeking to rezone:
3151 S. California Ave., Chicago, Illinois

2. Ward Number that property is located in: 12

3. CO-APPLICANT: Lakeshore Recycling Systems, LLC

ADDRESS: 6132 Oakton St. CITY: Morton Grove

STATE: Illinois ZIP CODE: 60053 PHONE: 312-782-1983

EMAIL: nick@sambankslaw.com CONTACT PERSON: Nicholas J. Ftikas

CO-APPLICANT: Ozinga Materials, Inc.

ADDRESS: 19001 Old LaGrange Rd. CITY: Mokena

STATE: Illinois ZIP CODE: 60448 PHONE: 312-782-1983

EMAIL: nick@sambankslaw.com CONTACT PERSON: Nicholas J. Ftikas

4. Are the Co-Applicants the owners of the property? YES _____ NO X

If the Applicant is not the owner of the property, please provide the following information regarding the owner and attach written authorization from the owner allowing the application to proceed.

OWNER: Metropolitan Water Reclamation District of Greater Chicago

ADDRESS: 100 E. Erie St. CITY: Chicago

STATE: Illinois ZIP CODE: 60611 PHONE: 312-751-5600

EMAIL: murrayc@mwr.org CONTACT PERSON: Christopher Murray, Attorney

5. If the Applicant/Owner of the property has obtained a lawyer as their representative for the rezoning, please provide the following information:

ATTORNEY: Nicholas Ftikas, Law Offices of Samuel V.P. Banks

ADDRESS: 221 North LaSalle Street, 38th Floor

CITY: Chicago STATE: Illinois ZIP CODE: 60601

PHONE: (312) 782-1983 FAX: 312-782-2433 EMAIL: nick@sambankslaw.com

6. If the Applicant is a legal entity (Corporation, LLC, Partnership, etc.), please provide the names of all owners as disclosed on the Economic Disclosure Statements.
See attached EDS
7. On what date did the owner acquire legal title to the subject property?
The Co-Applicants will continue leasing the subject property from the Metropolitan Water Reclamation District of Greater Chicago
8. Has the present owner previously rezoned this property? If Yes, when? No
9. Present Zoning District: M3-3 Proposed Zoning District: Industrial-Waterway Planned Development
10. Lot size in square feet (or dimensions): 831,982 sq. ft. (19.09 acres per Survey)
11. Current Use of the Property: The subject property is currently used for truck and container storage and repair.
12. Reason for rezoning the property: The Applicant is seeking to establish a Planned Development in order to allow industrial uses including vehicle, container, and recyclable waste storage, a construction and demolition material recycling facility, a transfer station, barge terminal operations, off-street parking, and administrative offices.
13. Describe the proposed use of the property after the rezoning. Indicate the number of dwelling unit number of parking spaces; approximate square footage of any commercial space; and height of the proposed building. (BE SPECIFIC): The Applicant is seeking to establish a Planned Development in order to allow industrial uses including vehicle, container, and recyclable waste storage, a construction and demolition material recycling facility, a transfer station, barge terminal operations, off-street parking, and administrative offices. The subject zoning lot will be divided into two (2) subareas. The uses proposed within the Planned Development will be generally consistent with the allowed uses within the M3-3 Zoning District.
14. The Affordable Requirements Ordinance (ARO) requires on-site affordable housing units and/or a financial contribution for residential housing projects with ten or more units that receive a zoning change which, among other triggers, increases the allowable floor area, or, for existing Planned Developments, increases the number of units (see attached fact sheet or visit www.cityofchicago.org/ARO for more information). Is this project subject to the ARO?
YES _____ NO X

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COUNTY OF COOK
STATE OF ILLINOIS

I, ALAN T. HANDLEY, on behalf of Lakeshore Recycling Systems, LLC, an Illinois limited liability company, being first duly sworn on oath, state that all of the above statements and the statements contained in the documents submitted herewith are, to the best of my knowledge, true and correct.

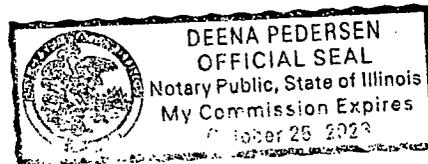


Signature of Applicant

Subscribed and Sworn to before me this
10TH day of FEBRUARY, 2020.

Deena Pedersen

Notary Public



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For Office Use Only

Date of Introduction: _____

File Number: _____

Ward: _____

PUBLIC NOTICE

Via USPS First Class Mail

October 23, 2020

Dear Sir or Madam:

In accordance with the Amendment to the Chicago Zoning Code enacted by the City Council, Section 17-13-0107-A, please be informed that on or about **October 23, 2020**, I, the undersigned, intend to file an application for a change in zoning from M3-3 Heavy Manufacturing District to an Industrial-Waterway Planned Development, on behalf of the Co-Applicants, Lakeshore Recycling Systems, LLC, and Ozinga Materials, Inc., for the property located at **3151 South California Ave., Chicago, Illinois**.

The Applicant is seeking to establish a Planned Development in order to allow industrial uses including vehicle, container, and recyclable waste storage, a construction and demolition material recycling facility, a transfer station, barge terminal operations, off-street parking, and administrative offices. The subject zoning lot will be divided into two (2) subareas. The uses proposed within the Planned Development will be generally consistent with the allowed uses within the M3-3 Zoning District.

Co-Applicant, Lakeshore Recycling Systems, LLC, is located at 6132 Oakton St., Morton Grove, Illinois 60053.

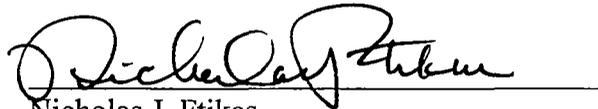
Co-Applicant, Ozinga Materials, Inc., is located at 19001 Old LaGrange Rd., Mokena, Illinois 60448.

The Property Owner, the Metropolitan Water Reclamation District of Greater Chicago is located at 100 East Erie St., Chicago, Illinois 60611.

I am the attorney for the Co-Applicants. I will serve as the contact person for this zoning application. My address is 221 North LaSalle Street, 38th Floor, Chicago, Illinois 60601. My telephone number is (312)-782-1983.

Sincerely,

Law Offices of Samuel V.P. Banks



Nicholas J. Ftikas
Attorney for the Applicant

****Please note that the Applicant is NOT seeking to purchase or rezone your property.**

****The Applicant is required by the Chicago Zoning Ordinance to send this notice to you because you are shown to own property located within 250 feet of the property subject to the proposed Zoning Amendment.**

Written Notice, Form of Affidavit: Section 17-13-0107

October 23, 2020

Honorable Thomas Tunney
Acting Chairman, Committee on Zoning
121 North LaSalle Street
Room 304 - City Hall
Chicago, Illinois 60602

To Whom It May Concern:

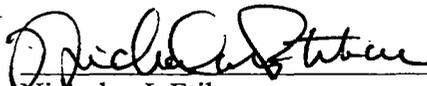
The undersigned, **Nicholas Ftikas**, being first duly sworn on oath, deposes and says the following:

That the undersigned certifies that he has complied with the requirements of Section 17-13-0107 of the Zoning Code of the City of Chicago, by sending written notice to such property owners who appear to be the owners of the property within the subject area not solely owned by the Applicant, and on the owners of all property within 250 feet in each direction of the lot line of the subject property, exclusive of the public roads, streets, alleys and other public ways, or a total distance limited to 400 feet. That said written notice was sent by USPS First Class Mail no more than 30 days before filing the application.

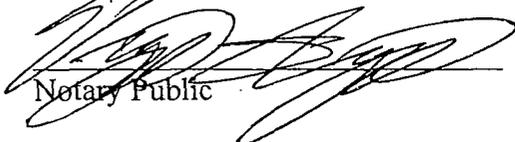
That the undersigned certifies that the notice contained the address of the property sought to be rezoned as **3151 S. California Ave., Chicago, Illinois**; a statement of intended use of said property; the name and address of the Applicant and Owner; and a statement that the Applicant intends to file an application for a change in zoning on approximately **October 23, 2020**.

That the Applicant has made a bonafide effort to determine the addresses of the parties to be notified under Section 17-13-0107 of the Zoning Code of the City of Chicago and that the Applicant certifies that the accompanying list of names and addresses of surrounding property owners within 250 feet is a complete list containing the names and last known addresses of the owners of the property required to be served.

Law Offices of Samuel V.P. Banks

By: 
Nicholas J. Ftikas
Attorney for Applicant

Subscribed and Sworn to before me
this 23 day of October, 2020.


Notary Public



3151 S. California Ave., Chicago, IL
Narrative for Planned Development Intake Meeting
Date: 11/13/2019

The subject property is located at 3151 S. California Ave., Chicago, IL, which is located within the Little Village Industrial Corridor. The subject site consists of 516,002 sq. ft. (11.849 acres) of land area located on the east side of S. California Ave., adjacent to the Chicago Sanitary and Ship Canal ("Canal"). The subject property is currently used for the storage of various industrial waste containers, vehicles, and equipment. The existing two-story building at the subject site is used for the general maintenance and repairing of the waste containers and equipment kept on site. The area proposed as Sub-Area B in the proposed Industrial Waterway Planned Development is relatively inactive, except for intermittent overflow container storage. Current operations also include the use of the waterway barges located along the Canal.

The Co-Applicants, Ozinga Materials and Logistics ("Ozinga") and Lakeshore Recycling Systems, LLC ("LRS"), are proposing to establish an Industrial Waterway Planned Development at the 11.849-acre site. The proposed Planned Development would allow the Co-Applicants to expand the industrial and waste related uses at the subject property. Specifically, LRS is proposing to allow for the storage, repair, and general maintenance of waste industry containers, equipment, and vehicles, waste material and equipment storage, and other waste related uses generally permitted in the M3-3 zoning district in what will be Sub-Area A of the Planned Development. LRS also intends to recycle and transfer solid waste and construction and demolition waste within Sub Area A. Ozinga is proposing to operate a recycling facility that will specifically include the receipt, storage, crushing and transfer of clean broken concrete, the receipt, storage, and transfer of scrap metals, aggregate materials, and deicing salts, the receipt, storage, and transfer of clean soils, the receipt, storage, recycling, and transfer of asphalt material, as well as vehicle and equipment parking and storage, and the continued operation of the barge terminal along the Canal. Ozinga's plans for Sub Area B also contemplate the operation of a concrete batch plant. Although new mobile equipment will be provided at the subject site, no new support or administrative buildings are proposed within the boundaries of the Planned Development at this time.

GEORGE CARDENAS
ALDERMAN, 12TH WARD
3476 SOUTH ARCHER AVENUE
CHICAGO, ILLINOIS 60608
PHONE: 773-523-8250
FAX: 773-523-8440
EMAIL: WARD12@CITYOFCHICAGO.ORG



CITY OF CHICAGO
CITY COUNCIL

COUNCIL CHAMBER
CITY HALL ROOM 300
121 NORTH LASALLE STREET
CHICAGO, ILLINOIS 60602
PHONE: 312-744-3040

COMMITTEE MEMBERSHIPS
ENVIRONMENTAL PROTECTION
AND ENERGY
(CHAIRMAN)
COMMITTEES AND RULES
FINANCE
PEDESTRIAN AND TRAFFIC SAFETY
LICENSE AND CONSUMER PROTECTION
ECONOMIC, CAPITAL, AND
TECHNOLOGY DEVELOPMENT
CONTRACTING OVERSIGHT AND EQUITY
BUDGET AND GOVERNMENT OPERATIONS

July 16, 2020
Zoning Administrator Patrick Murphy
Department of Planning and Development
212 N LaSalle St. Room 905
Chicago, IL. 60602

RE: Planned Map Amendment 3151 S California Ave.

Dear Mr. Murphy,

The Co-Applicants, Ozinga Materials and Lakeshore Recycling LLC, are proposing to establish an Industrial Waterway Planned Development at the above referenced 11.849 acre site to continue their individual business development activities in accordance with the Narrative for the Planned Development previously submitted.

Their proposed use of the site will involve various waste handling and recycling activities inherent to the nature of their businesses and resulting in substantial community benefits including truck transportation volume reduction, landfill space use reduction and preservation, and the return of recycled materials to the economic mainstream along with the preservation of natural resources.

The continued use of the site as a barge terminal with loading, unloading, and site storage activities create an even greater reduction in the volume of local and long distance truck traffic. The preservation of waterway commerce which not only played an important part in the development of the City, continues to benefit the local economy and will do so well into the future. I am in support of this proposed Planned Development, and I respectfully request your approval. Should you have any questions, please contact my office at 312-744-3040.

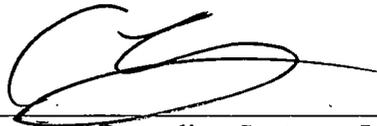
Sincerely,

A handwritten signature in black ink, appearing to read "George A. Cardenas".

George A. Cardenas
Alderman – Ward 12

To whom it may concern:

I, ALAN T. HANDLEY, on behalf of Lakeshore Recycling Systems, LLC, an Illinois limited liability company, a tenant and co-Applicant concerning the subject property located at 3151 S. California Ave., Chicago, IL, authorize the Law Offices of Samuel V.P. Banks to file a Zoning Map Amendment Application with the City of Chicago's Department of Planning and Development for that property.



Lakeshore Recycling Systems, LLC

By: ALAN T. HANDLEY

Its: CEO

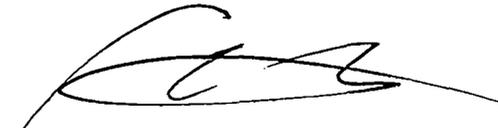
FORM OF AFFIDAVIT

Chairman, Committee on Zoning
Room 304 - City Hall
Chicago, IL 60602

To Whom It May Concern:

I, ALAN T. HANDLEY, on behalf of Lakeshore Recycling Systems, LLC, an Illinois limited liability company, understand that the Law Offices of Samuel V.P. Banks has filed a sworn affidavit identifying Lakeshore Recycling Systems, LLC, as a Tenant and Co-Applicant holding interest in land subject to the proposed zoning amendment for the property identified as 3151 S. California Ave., Chicago, IL.

I, ALAN T. HANDLEY, on behalf of Lakeshore Recycling Systems, LLC, an Illinois limited liability company, being first duly sworn under oath, depose and say that Lakeshore Recycling Systems, LLC, holds that interest for itself and no other person, association, or shareholder.

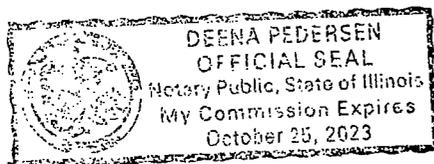


Lakeshore Recycling Systems, LLC Date

Subscribed and Sworn to before me
this 6TH day of FEBRUARY, 2020.

Deena Pedersen

Notary Public



**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT
AND AFFIDAVIT**

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting this EDS. Include d/b/a/ if applicable:

LRS Holdings , LLC d/b/a Lakeshore Recycling Systems, LLC

Check ONE of the following three boxes:

Indicate whether the Disclosing Party submitting this EDS is:

1. the Applicant

OR

2. a legal entity currently holding, or anticipated to hold within six months after City action on the contract, transaction or other undertaking to which this EDS pertains (referred to below as the "Matter"), a direct or indirect interest in excess of 7.5% in the Applicant. State the Applicant's legal name:

OR

3. a legal entity with a direct or indirect right of control of the Applicant (see Section II(B)(1)) State the legal name of the entity in which the Disclosing Party holds a right of control:

B. Business address of the Disclosing Party: 6132 Oakton Street

Morton Grove, Illinois 60053

C. Telephone: 847-779-7500 Fax: 773-685-6043 Email: RGolf@LRSrecycles.com

D. Name of contact person: Rich Golf

E. Federal Employer Identification No. (if you have one): _____

F. Brief description of the Matter to which this EDS pertains. (Include project number and location of property, if applicable):

Zoning on rental property at 3151 S. California

G. Which City agency or department is requesting this EDS? Dept. of Planning & Development

If the Matter is a contract being handled by the City's Department of Procurement Services, please complete the following:

Specification # _____ and Contract # _____

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

- | | |
|---|---|
| <input type="checkbox"/> Person | <input checked="" type="checkbox"/> Limited liability company |
| <input type="checkbox"/> Publicly registered business corporation | <input type="checkbox"/> Limited liability partnership |
| <input type="checkbox"/> Privately held business corporation | <input type="checkbox"/> Joint venture |
| <input type="checkbox"/> Sole proprietorship | <input type="checkbox"/> Not-for-profit corporation |
| <input type="checkbox"/> General partnership | (Is the not-for-profit corporation also a 501(c)(3))? |
| <input type="checkbox"/> Limited partnership | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Other (please specify) |

2. For legal entities, the state (or foreign country) of incorporation or organization, if applicable:

Delaware

3. For legal entities not organized in the State of Illinois: Has the organization registered to do business in the State of Illinois as a foreign entity?

- Yes No Organized in Illinois

B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles, if applicable, of: (i) all executive officers and all directors of the entity; (ii) **for not-for-profit corporations**, all members, if any, which are legal entities (if there are no such members, write "no members which are legal entities"); (iii) **for trusts, estates or other similar entities**, the trustee, executor, administrator, or similarly situated party; (iv) **for general or limited partnerships, limited liability companies, limited liability partnerships or joint ventures**, each general partner, managing member, manager or any other person or legal entity that directly or indirectly controls the day-to-day management of the Applicant.

NOTE: Each legal entity listed below must submit an EDS on its own behalf.

Name	Title
Alan Handley	CEO & Chairman
Rich Golf	Director & Managing Member
Jerry Golf	Director & Managing Member
Josh Connell	Director & Managing Member

2. Please provide the following information concerning each person or legal entity having a direct or indirect, current or prospective (i.e. within 6 months after City action) beneficial interest (including ownership) in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a

limited liability company, or interest of a beneficiary of a trust, estate or other similar entity. If none, state "None."

NOTE: Each legal entity listed below may be required to submit an EDS on its own behalf.

Name	Business Address	Percentage Interest in the Applicant
Goldman Sachs & Co, LLC	200 West St. 26th Fl. NY, NY 10282	46.81%
Golf, Inc.	2174 S. Vista Ave, Lombard, IL 60148	16.22%
Lakeshore Waste Services, LLC	6132 Oakton St. Morton Grove, IL 60053	16.22%
Hillfort LRS, LP	53 Maple Ave. Morristown, NJ 07960	8.6%

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS? Yes No

Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS? Yes No

If "yes" to either of the above, please identify below the name(s) of such City elected official(s) and describe such income or compensation:

N/A

Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code of Chicago ("MCC")) in the Disclosing Party?

Yes No

If "yes," please identify below the name(s) of such City elected official(s) and/or spouse(s)/domestic partner(s) and describe the financial interest(s).

N/A

SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist (as defined in MCC Chapter 2-156), accountant, consultant and any other person or entity whom the Disclosing Party has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Disclosing Party is not required to disclose employees who are paid solely through the Disclosing Party's regular payroll. If the Disclosing Party is uncertain whether a disclosure is required under this Section, the Disclosing Party must either ask the City whether disclosure is required or make the disclosure.

Name (indicate whether retained or anticipated to be retained)	Business Address	Relationship to Disclosing Party (subcontractor, attorney, lobbyist, etc.)	Fees (indicate whether paid or estimated.) NOTE: "hourly rate" or "t.b.d." is not an acceptable response.
--	------------------	--	---

<i>Law Offices of Sam Banks -</i>		<i>ATTORNEY</i>	
<i>221 N. LaSalle 3rd Fl</i>			<i>EST. \$ 10,500.00</i>
<i>Chicago IL 60601</i>			

(Add sheets if necessary)

Check here if the Disclosing Party has not retained, nor expects to retain, any such persons or entities.

SECTION V – CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage on any child support obligations by any Illinois court of competent jurisdiction?

Yes No No person directly or indirectly owns 10% or more of the Disclosing Party.

If "Yes," has the person entered into a court-approved agreement for payment of all support owed and is the person in compliance with that agreement?

Yes No

B. FURTHER CERTIFICATIONS

1. [This paragraph 1 applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity [see definition in (5) below] has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e., an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices so they can be considered for agency contracts in the future, or continue with a contract in progress).

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
- d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapters 2-56 (Inspector General) and 2-156 (Governmental Ethics).

5. Certifications (5), (6) and (7) concern:

- the Disclosing Party;
- any "Contractor" (meaning any contractor or subcontractor used by the Disclosing Party in connection with the Matter, including but not limited to all persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
- any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity). Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity. With respect to Contractors, the term Affiliated Entity means a person or entity that directly or indirectly controls the Contractor, is controlled by it, or, with the Contractor, is under common control of another person or entity;
- any responsible official of the Disclosing Party, any Contractor or any Affiliated Entity or any other official, agent or employee of the Disclosing Party, any Contractor or any Affiliated Entity, acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any Contractor or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;

b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or

c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or

d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).

6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of (1) bid-rigging in violation of 720 ILCS 5/33E-3; (2) bid-rotating in violation of 720 ILCS 5/33E-4; or (3) any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.

7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.

8. [FOR APPLICANT ONLY] (i) Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted, or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency"; and (ii) the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City. NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.

9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM").

10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such

contractor/subcontractor that does not provide such certifications or that the Applicant has reason to believe has not provided or cannot provide truthful certifications.

11. If the Disclosing Party is unable to certify to any of the above statements in this Part B (Further Certifications), the Disclosing Party must explain below:

N/A

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago (if none, indicate with "N/A" or "none").

N/A

13. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law (if none, indicate with "N/A" or "none"). As to any gift listed below, please also list the name of the City recipient.

N/A

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

1. The Disclosing Party certifies that the Disclosing Party (check one)

is is not

a "financial institution" as defined in MCC Section 2-32-455(b).

2. If the Disclosing Party IS a financial institution, then the Disclosing Party pledges:

"We are not and will not become a predatory lender as defined in MCC Chapter 2-32. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in MCC Chapter 2-32. We understand that becoming a predatory lender or becoming an affiliate of a predatory lender may result in the loss of the privilege of doing business with the City."

If the Disclosing Party is unable to make this pledge because it or any of its affiliates (as defined in MCC Section 2-32-455(b)) is a predatory lender within the meaning of MCC Chapter 2-32, explain here (attach additional pages if necessary):

N/A

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

D. CERTIFICATION REGARDING FINANCIAL INTEREST IN CITY BUSINESS

Any words or terms defined in MCC Chapter 2-156 have the same meanings if used in this Part D.

1. In accordance with MCC Section 2-156-110: To the best of the Disclosing Party's knowledge after reasonable inquiry, does any official or employee of the City have a financial interest in his or her own name or in the name of any other person or entity in the Matter?

Yes

No

NOTE: If you checked "Yes" to Item D(1), proceed to Items D(2) and D(3). If you checked "No" to Item D(1), skip Items D(2) and D(3) and proceed to Part E.

2. Unless sold pursuant to a process of competitive bidding, or otherwise permitted, no City elected official or employee shall have a financial interest in his or her own name or in the name of any other person or entity in the purchase of any property that (i) belongs to the City, or (ii) is sold for taxes or assessments, or (iii) is sold by virtue of legal process at the suit of the City (collectively, "City Property Sale"). Compensation for property taken pursuant to the City's eminent domain power does not constitute a financial interest within the meaning of this Part D.

Does the Matter involve a City Property Sale?

Yes

No

3. If you checked "Yes" to Item D(1), provide the names and business addresses of the City officials or employees having such financial interest and identify the nature of the financial interest:

Name	Business Address	Nature of Financial Interest
N/A		

4. The Disclosing Party further certifies that no prohibited financial interest in the Matter will be acquired by any City official or employee.

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

Please check either (1) or (2) below. If the Disclosing Party checks (2), the Disclosing Party must disclose below or in an attachment to this EDS all information required by (2). Failure to comply with these disclosure requirements may make any contract entered into with the City in connection with the Matter voidable by the City.

 x 1. The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

 2. The Disclosing Party verifies that, as a result of conducting the search in step (1) above, the Disclosing Party has found records of investments or profits from slavery or slaveholder insurance policies. The Disclosing Party verifies that the following constitutes full disclosure of all such records, including the names of any and all slaves or slaveholders described in those records:

_____ N/A

SECTION VI -- CERTIFICATIONS FOR FEDERALLY FUNDED MATTERS

NOTE: If the Matter is federally funded, complete this Section VI. If the Matter is not federally funded, proceed to Section VII. For purposes of this Section VI, tax credits allocated by the City and proceeds of debt obligations of the City are not federal funding.

A. CERTIFICATION REGARDING LOBBYING

1. List below the names of all persons or entities registered under the federal Lobbying Disclosure Act of 1995, as amended, who have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter: (Add sheets if necessary):

_____ N/A

(If no explanation appears or begins on the lines above, or if the letters "NA" or if the word "None" appear, it will be conclusively presumed that the Disclosing Party means that NO persons or entities registered under the Lobbying Disclosure Act of 1995, as amended, have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter.)

2. The Disclosing Party has not spent and will not expend any federally appropriated funds to pay any person or entity listed in paragraph A(1) above for his or her lobbying activities or to pay any person or entity to influence or attempt to influence an officer or employee of any agency, as defined by applicable federal law, a member of Congress, an officer or employee of Congress, or an employee

of a member of Congress, in connection with the award of any federally funded contract, making any federally funded grant or loan, entering into any cooperative agreement, or to extend, continue, renew, amend, or modify any federally funded contract, grant, loan, or cooperative agreement.

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A(1) and A(2) above.

4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities," as that term is defined in the Lobbying Disclosure Act of 1995, as amended.

5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A(1) through A(4) above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.

B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations. N/A

Is the Disclosing Party the Applicant?

Yes No

If "Yes," answer the three questions below:

1. Have you developed and do you have on file affirmative action programs pursuant to applicable federal regulations? (See 41 CFR Part 60-2.)

Yes No

2. Have you filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs, or the Equal Employment Opportunity Commission all reports due under the applicable filing requirements?

Yes No Reports not required

3. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause?

Yes No

If you checked "No" to question (1) or (2) above, please provide an explanation:

_____ N/A

SECTION VII -- FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

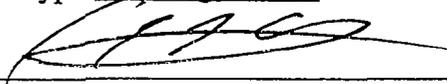
- A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.
- B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.
- C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.
- D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.
- E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. **NOTE:** With respect to Matters subject to MCC Chapter 1-23, Article I (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and all applicable Appendices, on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and all applicable Appendices, are true, accurate and complete as of the date furnished to the City.

LRS Holdings, LLC d/b/a Lakeshore Recycling Systems, LLC

(Print or type exact legal name of Disclosing Party)

By: 
(Sign here)

Alan T. Handley

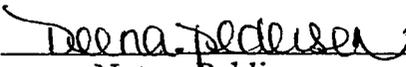
(Print or type name of person signing)

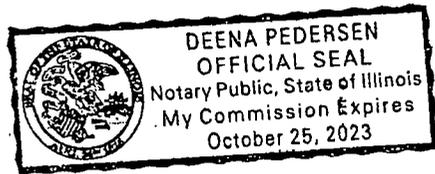
Chief Executive Officer

(Print or type title of person signing)

Signed and sworn to before me on (date) 2/6/2020,

at COOK County, ILLINOIS (state).


Notary Public



Commission expires: 10/25/2023

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX A**

**FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS
AND DEPARTMENT HEADS**

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all executive officers of the Disclosing Party listed in Section II.B.1.a., if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

Yes

No

If yes, please identify below (1) the name and title of such person, (2) the name of the legal entity to which such person is connected; (3) the name and title of the elected city official or department head to whom such person has a familial relationship, and (4) the precise nature of such familial relationship.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX B**

BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

1. Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes No

2. If the Applicant is a legal entity publicly traded on any exchange, is any officer or director of the Applicant identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes No The Applicant is not publicly traded on any exchange.

3. If yes to (1) or (2) above, please identify below the name of each person or legal entity identified as a building code scofflaw or problem landlord and the address of each building or buildings to which the pertinent code violations apply.

_____ N/A _____

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX C**

PROHIBITION ON WAGE & SALARY HISTORY SCREENING - CERTIFICATION

This Appendix is to be completed only by an Applicant that is completing this EDS as a “contractor” as defined in MCC Section 2-92-385. That section, which should be consulted (www.amlegal.com), generally covers a party to any agreement pursuant to which they: (i) receive City of Chicago funds in consideration for services, work or goods provided (including for legal or other professional services), or (ii) pay the City money for a license, grant or concession allowing them to conduct a business on City premises.

On behalf of an Applicant that is a contractor pursuant to MCC Section 2-92-385, I hereby certify that the Applicant is in compliance with MCC Section 2-92-385(b)(1) and (2), which prohibit: (i) screening job applicants based on their wage or salary history, or (ii) seeking job applicants’ wage or salary history from current or former employers. I also certify that the Applicant has adopted a policy that includes those prohibitions.

Yes

No

N/A – I am not an Applicant that is a “contractor” as defined in MCC Section 2-92-385.

This certification shall serve as the affidavit required by MCC Section 2-92-385(c)(1).

If you checked “no” to the above, please explain.

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT
AND AFFIDAVIT**

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting this EDS. Include d/b/a/ if applicable:

Golf, Inc.

Check ONE of the following three boxes:

Indicate whether the Disclosing Party submitting this EDS is:

1. the Applicant

OR

2. a legal entity currently holding, or anticipated to hold within six months after City action on the contract, transaction or other undertaking to which this EDS pertains (referred to below as the "Matter"), a direct or indirect interest in excess of 7.5% in the Applicant. State the Applicant's legal name: _____

OR

3. a legal entity with a direct or indirect right of control of the Applicant (see Section II(B)(1))
State the legal name of the entity in which the Disclosing Party holds a right of control: _____

B. Business address of the Disclosing Party: 2174 South Vista Avenue
Lombard, Illinois 60148

C. Telephone: 312-782-1983 Fax: _____ Email: nick@sambankslaw.com

D. Name of contact person: Nicholas J. Ftikas - Attorney

E. Federal Employer Identification No. (if you have one): _____

F. Brief description of the Matter to which this EDS pertains. (Include project number and location of property, if applicable):

The Applicant is seeking to establish an Industrial Waterway Planned Development at 3151 S. California.

G. Which City agency or department is requesting this EDS? DPD/ZBA

If the Matter is a contract being handled by the City's Department of Procurement Services, please complete the following:

Specification # _____ and Contract # _____

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

- | | |
|---|--|
| <input type="checkbox"/> Person | <input type="checkbox"/> Limited liability company |
| <input type="checkbox"/> Publicly registered business corporation | <input type="checkbox"/> Limited liability partnership |
| <input checked="" type="checkbox"/> Privately held business corporation | <input type="checkbox"/> Joint venture |
| <input type="checkbox"/> Sole proprietorship | <input type="checkbox"/> Not-for-profit corporation |
| <input type="checkbox"/> General partnership | (Is the not-for-profit corporation also a 501(c)(3))? |
| <input type="checkbox"/> Limited partnership | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Other (please specify) |
-

2. For legal entities, the state (or foreign country) of incorporation or organization, if applicable:

Illinois

3. For legal entities not organized in the State of Illinois: Has the organization registered to do business in the State of Illinois as a foreign entity?

- Yes No Organized in Illinois

B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles, if applicable, of: (i) all executive officers and all directors of the entity; (ii) **for not-for-profit corporations**, all members, if any, which are legal entities (if there are no such members, write "no members which are legal entities"); (iii) **for trusts, estates or other similar entities**, the trustee, executor, administrator, or similarly situated party; (iv) **for general or limited partnerships, limited liability companies, limited liability partnerships or joint ventures**, each general partner, managing member, manager or any other person or legal entity that directly or indirectly controls the day-to-day management of the Applicant.

NOTE: Each legal entity listed below must submit an EDS on its own behalf.

Name	Title
Jerry Golf	President & Secretary

2. Please provide the following information concerning each person or legal entity having a direct or indirect, current or prospective (i.e. within 6 months after City action) beneficial interest (including ownership) in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a

limited liability company, or interest of a beneficiary of a trust, estate or other similar entity. If none, state "None."

NOTE: Each legal entity listed below may be required to submit an EDS on its own behalf.

Name	Business Address	Percentage Interest in the Applicant
Jerry Golf	2174 South Vista Avenue Lombard, Illinois 60148	100%

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS? Yes No

Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS? Yes No

If "yes" to either of the above, please identify below the name(s) of such City elected official(s) and describe such income or compensation:

N/A

Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code of Chicago ("MCC")) in the Disclosing Party?

Yes No

If "yes," please identify below the name(s) of such City elected official(s) and/or spouse(s)/domestic partner(s) and describe the financial interest(s).

N/A

SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist (as defined in MCC Chapter 2-156), accountant, consultant and any other person or entity whom the Disclosing Party has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Disclosing Party is not required to disclose employees who are paid solely through the Disclosing Party's regular payroll. If the Disclosing Party is uncertain whether a disclosure is required under this Section, the Disclosing Party must either ask the City whether disclosure is required or make the disclosure.

Name (indicate whether retained or anticipated to be retained)	Business Address	Relationship to Disclosing Party (subcontractor, attorney, lobbyist, etc.)	Fees (indicate whether paid or estimated.) NOTE: "hourly rate" or "t.b.d." is not an acceptable response.
Law Offices of Samuel VP Banks	221 N. LaSalle St., 38th Floor Chicago, IL 60601	Attorney	\$11,500 (est.)

(Add sheets if necessary)

Check here if the Disclosing Party has not retained, nor expects to retain, any such persons or entities.

SECTION V -- CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage on any child support obligations by any Illinois court of competent jurisdiction?

Yes No No person directly or indirectly owns 10% or more of the Disclosing Party.

If "Yes," has the person entered into a court-approved agreement for payment of all support owed and is the person in compliance with that agreement?

Yes No

B. FURTHER CERTIFICATIONS

1. [This paragraph 1 applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity [see definition in (5) below] has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e., an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices so they can be considered for agency contracts in the future, or continue with a contract in progress).

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
- d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapters 2-56 (Inspector General) and 2-156 (Governmental Ethics).

5. Certifications (5), (6) and (7) concern:

- the Disclosing Party;
- any "Contractor" (meaning any contractor or subcontractor used by the Disclosing Party in connection with the Matter, including but not limited to all persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
- any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity). Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity. With respect to Contractors, the term Affiliated Entity means a person or entity that directly or indirectly controls the Contractor, is controlled by it, or, with the Contractor, is under common control of another person or entity;
- any responsible official of the Disclosing Party, any Contractor or any Affiliated Entity or any other official, agent or employee of the Disclosing Party, any Contractor or any Affiliated Entity, acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any Contractor or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
- b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
- c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).

6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of (1) bid-rigging in violation of 720 ILCS 5/33E-3; (2) bid-rotating in violation of 720 ILCS 5/33E-4; or (3) any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.

7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.

8. [FOR APPLICANT ONLY] (i) Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted, or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency"; and (ii) the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City. NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.

9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM").

10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such

contractor/subcontractor that does not provide such certifications or that the Applicant has reason to believe has not provided or cannot provide truthful certifications.

11. If the Disclosing Party is unable to certify to any of the above statements in this Part B (Further Certifications), the Disclosing Party must explain below:

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago (if none, indicate with "N/A" or "none").

None

13. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law (if none, indicate with "N/A" or "none"). As to any gift listed below, please also list the name of the City recipient.

None

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

1. The Disclosing Party certifies that the Disclosing Party (check one)

is is not

a "financial institution" as defined in MCC Section 2-32-455(b).

2. If the Disclosing Party IS a financial institution, then the Disclosing Party pledges:

"We are not and will not become a predatory lender as defined in MCC Chapter 2-32. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in MCC Chapter 2-32. We understand that becoming a predatory lender or becoming an affiliate of a predatory lender may result in the loss of the privilege of doing business with the City."

If the Disclosing Party is unable to make this pledge because it or any of its affiliates (as defined in MCC Section 2-32-455(b)) is a predatory lender within the meaning of MCC Chapter 2-32, explain here (attach additional pages if necessary):

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

D. CERTIFICATION REGARDING FINANCIAL INTEREST IN CITY BUSINESS

Any words or terms defined in MCC Chapter 2-156 have the same meanings if used in this Part D.

1. In accordance with MCC Section 2-156-110: To the best of the Disclosing Party's knowledge after reasonable inquiry, does any official or employee of the City have a financial interest in his or her own name or in the name of any other person or entity in the Matter?

Yes

No

NOTE: If you checked "Yes" to Item D(1), proceed to Items D(2) and D(3). If you checked "No" to Item D(1), skip Items D(2) and D(3) and proceed to Part E.

2. Unless sold pursuant to a process of competitive bidding, or otherwise permitted, no City elected official or employee shall have a financial interest in his or her own name or in the name of any other person or entity in the purchase of any property that (i) belongs to the City, or (ii) is sold for taxes or assessments, or (iii) is sold by virtue of legal process at the suit of the City (collectively, "City Property Sale"). Compensation for property taken pursuant to the City's eminent domain power does not constitute a financial interest within the meaning of this Part D.

Does the Matter involve a City Property Sale?

Yes

No

3. If you checked "Yes" to Item D(1), provide the names and business addresses of the City officials or employees having such financial interest and identify the nature of the financial interest:

Name

Business Address

Nature of Financial Interest

N/A

4. The Disclosing Party further certifies that no prohibited financial interest in the Matter will be acquired by any City official or employee.

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

Please check either (1) or (2) below. If the Disclosing Party checks (2), the Disclosing Party must disclose below or in an attachment to this EDS all information required by (2). Failure to comply with these disclosure requirements may make any contract entered into with the City in connection with the Matter voidable by the City.

1. The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

2. The Disclosing Party verifies that, as a result of conducting the search in step (1) above, the Disclosing Party has found records of investments or profits from slavery or slaveholder insurance policies. The Disclosing Party verifies that the following constitutes full disclosure of all such records, including the names of any and all slaves or slaveholders described in those records:

SECTION VI -- CERTIFICATIONS FOR FEDERALLY FUNDED MATTERS

NOTE: If the Matter is federally funded, complete this Section VI. If the Matter is not federally funded, proceed to Section VII. For purposes of this Section VI, tax credits allocated by the City and proceeds of debt obligations of the City are not federal funding.

A. CERTIFICATION REGARDING LOBBYING

1. List below the names of all persons or entities registered under the federal Lobbying Disclosure Act of 1995, as amended, who have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter: (Add sheets if necessary):

(If no explanation appears or begins on the lines above, or if the letters "NA" or if the word "None" appear, it will be conclusively presumed that the Disclosing Party means that NO persons or entities registered under the Lobbying Disclosure Act of 1995, as amended, have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter.)

2. The Disclosing Party has not spent and will not expend any federally appropriated funds to pay any person or entity listed in paragraph A(1) above for his or her lobbying activities or to pay any person or entity to influence or attempt to influence an officer or employee of any agency, as defined by applicable federal law, a member of Congress, an officer or employee of Congress, or an employee

of a member of Congress, in connection with the award of any federally funded contract, making any federally funded grant or loan, entering into any cooperative agreement, or to extend, continue, renew, amend, or modify any federally funded contract, grant, loan, or cooperative agreement.

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A(1) and A(2) above.

4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities," as that term is defined in the Lobbying Disclosure Act of 1995, as amended.

5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A(1) through A(4) above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.

B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations.

Is the Disclosing Party the Applicant?

Yes

No

If "Yes," answer the three questions below:

1. Have you developed and do you have on file affirmative action programs pursuant to applicable federal regulations? (See 41 CFR Part 60-2.)

Yes

No

2. Have you filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs, or the Equal Employment Opportunity Commission all reports due under the applicable filing requirements?

Yes

No

Reports not required

3. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause?

Yes

No

If you checked "No" to question (1) or (2) above, please provide an explanation:

SECTION VII -- FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.

B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.

C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.

D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.

E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. **NOTE:** With respect to Matters subject to MCC Chapter 1-23, Article I (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and all applicable Appendices, on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and all applicable Appendices, are true, accurate and complete as of the date furnished to the City.

GOLF, INC

(Print or type exact legal name of Disclosing Party)

By: [Signature]
(Sign here)

JERRY J GOLF

(Print or type name of person signing)

MANAGING PARTNER

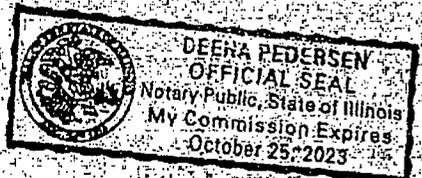
(Print or type title of person signing)

Signed and sworn to before me on (date) October 2nd, 2020

at COOK County, ILLINOIS (state)

[Signature]
Notary Public

Commission expires: October 25th, 2023



**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX A**

**FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS
AND DEPARTMENT HEADS**

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all executive officers of the Disclosing Party listed in Section II.B.1.a., if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

Yes

No

If yes, please identify below (1) the name and title of such person, (2) the name of the legal entity to which such person is connected; (3) the name and title of the elected city official or department head to whom such person has a familial relationship, and (4) the precise nature of such familial relationship.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX B**

BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

1. Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes

No

2. If the Applicant is a legal entity publicly traded on any exchange, is any officer or director of the Applicant identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes

No

The Applicant is not publicly traded on any exchange.

3. If yes to (1) or (2) above, please identify below the name of each person or legal entity identified as a building code scofflaw or problem landlord and the address of each building or buildings to which the pertinent code violations apply.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX C**

PROHIBITION ON WAGE & SALARY HISTORY SCREENING - CERTIFICATION

This Appendix is to be completed only by an Applicant that is completing this EDS as a “contractor” as defined in MCC Section 2-92-385. That section, which should be consulted (www.amlegal.com), generally covers a party to any agreement pursuant to which they: (i) receive City of Chicago funds in consideration for services, work or goods provided (including for legal or other professional services), or (ii) pay the City money for a license, grant or concession allowing them to conduct a business on City premises.

On behalf of an Applicant that is a contractor pursuant to MCC Section 2-92-385, I hereby certify that the Applicant is in compliance with MCC Section 2-92-385(b)(1) and (2), which prohibit: (i) screening job applicants based on their wage or salary history, or (ii) seeking job applicants’ wage or salary history from current or former employers. I also certify that the Applicant has adopted a policy that includes those prohibitions.

Yes

No

N/A – I am not an Applicant that is a “contractor” as defined in MCC Section 2-92-385.

This certification shall serve as the affidavit required by MCC Section 2-92-385(c)(1).

If you checked “no” to the above, please explain.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT
AND AFFIDAVIT**

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting this EDS. Include d/b/a/ if applicable:

Lakeshore Waste Services, LLC

Check ONE of the following three boxes:

Indicate whether the Disclosing Party submitting this EDS is:

1. the Applicant

OR

2. a legal entity currently holding, or anticipated to hold within six months after City action on the contract, transaction or other undertaking to which this EDS pertains (referred to below as the "Matter"), a direct or indirect interest in excess of 7.5% in the Applicant. State the Applicant's legal name: _____

OR

3. a legal entity with a direct or indirect right of control of the Applicant (see Section II(B)(1))
State the legal name of the entity in which the Disclosing Party holds a right of control: _____

B. Business address of the Disclosing Party:

6132 West Oakton Street

Morton Grove, Illinois 60053

C. Telephone: 312-782-1983

Fax: _____

Email: nick@sambankslaw.com

D. Name of contact person: Nicholas J. Ftikas - Attorney

E. Federal Employer Identification No. (if you have one): _____

F. Brief description of the Matter to which this EDS pertains. (Include project number and location of property, if applicable):

The Applicant is seeking to establish an Industrial Waterway Planned Development at 3151 S. California.

G. Which City agency or department is requesting this EDS? _____

DPD/ZBA

If the Matter is a contract being handled by the City's Department of Procurement Services, please complete the following:

Specification # _____ and Contract # _____

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

- | | |
|---|---|
| <input type="checkbox"/> Person | <input checked="" type="checkbox"/> Limited liability company |
| <input type="checkbox"/> Publicly registered business corporation | <input type="checkbox"/> Limited liability partnership |
| <input type="checkbox"/> Privately held business corporation | <input type="checkbox"/> Joint venture |
| <input type="checkbox"/> Sole proprietorship | <input type="checkbox"/> Not-for-profit corporation |
| <input type="checkbox"/> General partnership | (Is the not-for-profit corporation also a 501(c)(3))? |
| <input type="checkbox"/> Limited partnership | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Other (please specify) |
-

2. For legal entities, the state (or foreign country) of incorporation or organization, if applicable:

Illinois

3. For legal entities not organized in the State of Illinois: Has the organization registered to do business in the State of Illinois as a foreign entity?

- Yes No Organized in Illinois

B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles, if applicable, of: (i) all executive officers and all directors of the entity; (ii) **for not-for-profit corporations**, all members, if any, which are legal entities (if there are no such members, write "no members which are legal entities"); (iii) **for trusts, estates or other similar entities**, the trustee, executor, administrator, or similarly situated party; (iv) **for general or limited partnerships, limited liability companies, limited liability partnerships or joint ventures**, each general partner, managing member, manager or any other person or legal entity that directly or indirectly controls the day-to-day management of the Applicant.

NOTE: Each legal entity listed below must submit an EDS on its own behalf.

Name	Title
Joshua Connell	Manager

2. Please provide the following information concerning each person or legal entity having a direct or indirect, current or prospective (i.e. within 6 months after City action) beneficial interest (including ownership) in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a

limited liability company, or interest of a beneficiary of a trust, estate or other similar entity. If none, state "None."

NOTE: Each legal entity listed below may be required to submit an EDS on its own behalf.

Name	Business Address	Percentage Interest in the Applicant
Joshua Connell	6132 West Oakton Street	100%
	Morton Grove, Illinois 60053	

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS? Yes No

Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS? Yes No

If "yes" to either of the above, please identify below the name(s) of such City elected official(s) and describe such income or compensation:

N/A

Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code of Chicago ("MCC")) in the Disclosing Party?

Yes No

If "yes," please identify below the name(s) of such City elected official(s) and/or spouse(s)/domestic partner(s) and describe the financial interest(s).

N/A

SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist (as defined in MCC Chapter 2-156), accountant, consultant and any other person or entity whom the Disclosing Party has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Disclosing Party is not required to disclose employees who are paid solely through the Disclosing Party's regular payroll. If the Disclosing Party is uncertain whether a disclosure is required under this Section, the Disclosing Party must either ask the City whether disclosure is required or make the disclosure.

Name (indicate whether retained or anticipated to be retained)	Business Address	Relationship to Disclosing Party (subcontractor, attorney, lobbyist, etc.)	Fees (indicate whether paid or estimated.) NOTE: "hourly rate" or "t.b.d." is not an acceptable response.
Law Offices of Samuel VP Banks	221 N. LaSalle St., 38th Floor Chicago, IL 60601	Attorney	\$11,500 (est.)

(Add sheets if necessary)

Check here if the Disclosing Party has not retained, nor expects to retain, any such persons or entities.

SECTION V -- CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage on any child support obligations by any Illinois court of competent jurisdiction?

Yes No No person directly or indirectly owns 10% or more of the Disclosing Party.

If "Yes," has the person entered into a court-approved agreement for payment of all support owed and is the person in compliance with that agreement?

Yes No

B. FURTHER CERTIFICATIONS

1. [This paragraph 1 applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity [see definition in (5) below] has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e., an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices so they can be considered for agency contracts in the future, or continue with a contract in progress).

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
- d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapters 2-56 (Inspector General) and 2-156 (Governmental Ethics).

5. Certifications (5), (6) and (7) concern:

- the Disclosing Party;
- any "Contractor" (meaning any contractor or subcontractor used by the Disclosing Party in connection with the Matter, including but not limited to all persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
- any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity). Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity. With respect to Contractors, the term Affiliated Entity means a person or entity that directly or indirectly controls the Contractor, is controlled by it, or, with the Contractor, is under common control of another person or entity;
- any responsible official of the Disclosing Party, any Contractor or any Affiliated Entity or any other official, agent or employee of the Disclosing Party, any Contractor or any Affiliated Entity, acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any Contractor or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
 - b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
 - c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or
 - d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).
6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of (1) bid-rigging in violation of 720 ILCS 5/33E-3; (2) bid-rotating in violation of 720 ILCS 5/33E-4; or (3) any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.
7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.
8. [FOR APPLICANT ONLY] (i) Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted, or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency"; and (ii) the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City. NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.
9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM").
10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such

contractor/subcontractor that does not provide such certifications or that the Applicant has reason to believe has not provided or cannot provide truthful certifications.

11. If the Disclosing Party is unable to certify to any of the above statements in this Part B (Further Certifications), the Disclosing Party must explain below:

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago (if none, indicate with "N/A" or "none").

None

13. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law (if none, indicate with "N/A" or "none"). As to any gift listed below, please also list the name of the City recipient.

None

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

1. The Disclosing Party certifies that the Disclosing Party (check one)

is is not

a "financial institution" as defined in MCC Section 2-32-455(b).

2. If the Disclosing Party IS a financial institution, then the Disclosing Party pledges:

"We are not and will not become a predatory lender as defined in MCC Chapter 2-32. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in MCC Chapter 2-32. We understand that becoming a predatory lender or becoming an affiliate of a predatory lender may result in the loss of the privilege of doing business with the City."

If the Disclosing Party is unable to make this pledge because it or any of its affiliates (as defined in MCC Section 2-32-455(b)) is a predatory lender within the meaning of MCC Chapter 2-32, explain here (attach additional pages if necessary):

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

D. CERTIFICATION REGARDING FINANCIAL INTEREST IN CITY BUSINESS

Any words or terms defined in MCC Chapter 2-156 have the same meanings if used in this Part D.

1. In accordance with MCC Section 2-156-110: To the best of the Disclosing Party's knowledge after reasonable inquiry, does any official or employee of the City have a financial interest in his or her own name or in the name of any other person or entity in the Matter?

Yes

No

NOTE: If you checked "Yes" to Item D(1), proceed to Items D(2) and D(3). If you checked "No" to Item D(1), skip Items D(2) and D(3) and proceed to Part E.

2. Unless sold pursuant to a process of competitive bidding, or otherwise permitted, no City elected official or employee shall have a financial interest in his or her own name or in the name of any other person or entity in the purchase of any property that (i) belongs to the City, or (ii) is sold for taxes or assessments, or (iii) is sold by virtue of legal process at the suit of the City (collectively, "City Property Sale"). Compensation for property taken pursuant to the City's eminent domain power does not constitute a financial interest within the meaning of this Part D.

Does the Matter involve a City Property Sale?

Yes

No

3. If you checked "Yes" to Item D(1), provide the names and business addresses of the City officials or employees having such financial interest and identify the nature of the financial interest:

Name	Business Address	Nature of Financial Interest
------	------------------	------------------------------

N/A

4. The Disclosing Party further certifies that no prohibited financial interest in the Matter will be acquired by any City official or employee.

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

Please check either (1) or (2) below. If the Disclosing Party checks (2), the Disclosing Party must disclose below or in an attachment to this EDS all information required by (2). Failure to comply with these disclosure requirements may make any contract entered into with the City in connection with the Matter voidable by the City.

1. The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

2. The Disclosing Party verifies that, as a result of conducting the search in step (1) above, the Disclosing Party has found records of investments or profits from slavery or slaveholder insurance policies. The Disclosing Party verifies that the following constitutes full disclosure of all such records, including the names of any and all slaves or slaveholders described in those records:

SECTION VI -- CERTIFICATIONS FOR FEDERALLY FUNDED MATTERS

NOTE: If the Matter is federally funded, complete this Section VI. If the Matter is not federally funded, proceed to Section VII. For purposes of this Section VI, tax credits allocated by the City and proceeds of debt obligations of the City are not federal funding.

A. CERTIFICATION REGARDING LOBBYING

1. List below the names of all persons or entities registered under the federal Lobbying Disclosure Act of 1995, as amended, who have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter: (Add sheets if necessary):

(If no explanation appears or begins on the lines above, or if the letters "NA" or if the word "None" appear, it will be conclusively presumed that the Disclosing Party means that NO persons or entities registered under the Lobbying Disclosure Act of 1995, as amended, have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter.)

2: The Disclosing Party has not spent and will not expend any federally appropriated funds to pay any person or entity listed in paragraph A(1) above for his or her lobbying activities or to pay any person or entity to influence or attempt to influence an officer or employee of any agency, as defined by applicable federal law, a member of Congress, an officer or employee of Congress, or an employee

of a member of Congress, in connection with the award of any federally funded contract, making any federally funded grant or loan, entering into any cooperative agreement, or to extend, continue, renew, amend, or modify any federally funded contract, grant, loan, or cooperative agreement.

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A(1) and A(2) above.

4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities," as that term is defined in the Lobbying Disclosure Act of 1995, as amended.

5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A(1) through A(4) above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.

B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations.

Is the Disclosing Party the Applicant?

Yes

No

If "Yes," answer the three questions below:

1. Have you developed and do you have on file affirmative action programs pursuant to applicable federal regulations? (See 41 CFR Part 60-2.)

Yes

No

2. Have you filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs, or the Equal Employment Opportunity Commission all reports due under the applicable filing requirements?

Yes

No

Reports not required

3. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause?

Yes

No

If you checked "No" to question (1) or (2) above, please provide an explanation:

SECTION VII -- FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.

B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.

C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.

D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.

E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. **NOTE:** With respect to Matters subject to MCC Chapter 1-23, Article I (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and all applicable Appendices, on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and all applicable Appendices, are true, accurate and complete as of the date furnished to the City.

LAKESHORE WASTE SERVICES, LLC
(Print or type exact legal name of Disclosing Party)

By: Joshua B. Connell
(Sign here)

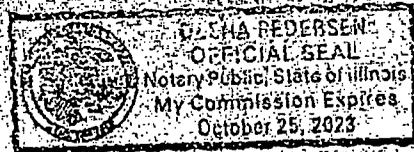
JOSHUA B. CONNELL
(Print or type name of person signing)

MANAGING PARTNER
(Print or type title of person signing)

Signed and sworn to before me on (date) October 2nd 2020

at Cook County County, Illinois (state)

Doana Pedersen
Notary Public



Commission expires: October 25th 2023

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX A**

**FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS
AND DEPARTMENT HEADS**

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all executive officers of the Disclosing Party listed in Section II.B.1.a., if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

Yes

No

If yes, please identify below (1) the name and title of such person, (2) the name of the legal entity to which such person is connected; (3) the name and title of the elected city official or department head to whom such person has a familial relationship, and (4) the precise nature of such familial relationship.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX B**

BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

1. Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes No

2. If the Applicant is a legal entity publicly traded on any exchange, is any officer or director of the Applicant identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes No The Applicant is not publicly traded on any exchange.

3. If yes to (1) or (2) above, please identify below the name of each person or legal entity identified as a building code scofflaw or problem landlord and the address of each building or buildings to which the pertinent code violations apply.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX C**

PROHIBITION ON WAGE & SALARY HISTORY SCREENING - CERTIFICATION

This Appendix is to be completed only by an Applicant that is completing this EDS as a “contractor” as defined in MCC Section 2-92-385. That section, which should be consulted (www.amlegal.com), generally covers a party to any agreement pursuant to which they: (i) receive City of Chicago funds in consideration for services, work or goods provided (including for legal or other professional services), or (ii) pay the City money for a license, grant or concession allowing them to conduct a business on City premises.

On behalf of an Applicant that is a contractor pursuant to MCC Section 2-92-385, I hereby certify that the Applicant is in compliance with MCC Section 2-92-385(b)(1) and (2), which prohibit: (i) screening job applicants based on their wage or salary history, or (ii) seeking job applicants’ wage or salary history from current or former employers. I also certify that the Applicant has adopted a policy that includes those prohibitions.

Yes

No

N/A – I am not an Applicant that is a “contractor” as defined in MCC Section 2-92-385.

This certification shall serve as the affidavit required by MCC Section 2-92-385(c)(1).

If you checked “no” to the above, please explain.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT
AND AFFIDAVIT**

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting this EDS. Include d/b/a/ if applicable:

Hillfort LRS, LP

Check ONE of the following three boxes:

Indicate whether the Disclosing Party submitting this EDS is:

1. the Applicant

OR

2. a legal entity currently holding, or anticipated to hold within six months after City action on the contract, transaction or other undertaking to which this EDS pertains (referred to below as the "Matter"), a direct or indirect interest in excess of 7.5% in the Applicant. State the Applicant's legal name: _____

OR

3. a legal entity with a direct or indirect right of control of the Applicant (see Section II(B)(1))
State the legal name of the entity in which the Disclosing Party holds a right of control: _____

B. Business address of the Disclosing Party:

251 Little Falls Drive

Wilmington, Delaware 19808

C. Telephone: 312-782-1983

Fax: _____

Email: nick@sambankslaw.com

D. Name of contact person: Nicholas J. Ftikas - Attorney

E. Federal Employer Identification No. (if you have one): _____

F. Brief description of the Matter to which this EDS pertains. (Include project number and location of property, if applicable):

The Applicant is seeking to establish an Industrial Waterway Planned Development at 3151 S. California.

G. Which City agency or department is requesting this EDS? _____

DPD/ZBA

If the Matter is a contract being handled by the City's Department of Procurement Services, please complete the following:

Specification # _____ and Contract # _____

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

- | | |
|---|--|
| <input type="checkbox"/> Person | <input type="checkbox"/> Limited liability company |
| <input type="checkbox"/> Publicly registered business corporation | <input type="checkbox"/> Limited liability partnership |
| <input type="checkbox"/> Privately held business corporation | <input type="checkbox"/> Joint venture |
| <input type="checkbox"/> Sole proprietorship | <input type="checkbox"/> Not-for-profit corporation |
| <input type="checkbox"/> General partnership | (Is the not-for-profit corporation also a 501(c)(3))? |
| <input checked="" type="checkbox"/> Limited partnership | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Other (please specify) |
-

2. For legal entities, the state (or foreign country) of incorporation or organization, if applicable:

Delaware

3. For legal entities not organized in the State of Illinois: Has the organization registered to do business in the State of Illinois as a foreign entity?

- Yes No Organized in Illinois

B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles, if applicable, of: (i) all executive officers and all directors of the entity; (ii) **for not-for-profit corporations**, all members, if any, which are legal entities (if there are no such members, write "no members which are legal entities"); (iii) **for trusts, estates or other similar entities**, the trustee, executor, administrator, or similarly situated party; (iv) **for general or limited partnerships, limited liability companies, limited liability partnerships or joint ventures**, each general partner, managing member, manager or any other person or legal entity that directly or indirectly controls the day-to-day management of the Applicant.

NOTE: Each legal entity listed below must submit an EDS on its own behalf.

Name	Title
_____	Manager

2. Please provide the following information concerning each person or legal entity having a direct or indirect, current or prospective (i.e. within 6 months after City action) beneficial interest (including ownership) in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a

limited liability company, or interest of a beneficiary of a trust, estate or other similar entity. If none, state "None."

NOTE: Each legal entity listed below may be required to submit an EDS on its own behalf.

Name	Business Address	Percentage Interest in the Applicant

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS? Yes No

Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS? Yes No

If "yes" to either of the above, please identify below the name(s) of such City elected official(s) and describe such income or compensation:

N/A

Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code of Chicago ("MCC")) in the Disclosing Party?

Yes No

If "yes," please identify below the name(s) of such City elected official(s) and/or spouse(s)/domestic partner(s) and describe the financial interest(s).

N/A

SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist (as defined in MCC Chapter 2-156), accountant, consultant and any other person or entity whom the Disclosing Party has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Disclosing Party is not required to disclose employees who are paid solely through the Disclosing Party's regular payroll. If the Disclosing Party is uncertain whether a disclosure is required under this Section, the Disclosing Party must either ask the City whether disclosure is required or make the disclosure.

Name (indicate whether retained or anticipated to be retained)	Business Address	Relationship to Disclosing Party (subcontractor, attorney, lobbyist, etc.)	Fees (indicate whether paid or estimated.) NOTE: "hourly rate" or "t.b.d." is not an acceptable response.
Law Offices of Samuel VP Banks	221 N. LaSalle St., 38th Floor Chicago, IL 60601	Attorney	\$11,500 (est.)

(Add sheets if necessary)

Check here if the Disclosing Party has not retained, nor expects to retain, any such persons or entities.

SECTION V -- CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage on any child support obligations by any Illinois court of competent jurisdiction?

Yes No No person directly or indirectly owns 10% or more of the Disclosing Party.

If "Yes," has the person entered into a court-approved agreement for payment of all support owed and is the person in compliance with that agreement?

Yes No

B. FURTHER CERTIFICATIONS

1. [This paragraph 1 applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity [see definition in (5) below] has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e., an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices so they can be considered for agency contracts in the future, or continue with a contract in progress).

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
- d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapters 2-56 (Inspector General) and 2-156 (Governmental Ethics).

5. Certifications (5), (6) and (7) concern:

- the Disclosing Party;
- any "Contractor" (meaning any contractor or subcontractor used by the Disclosing Party in connection with the Matter, including but not limited to all persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
- any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity). Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity. With respect to Contractors, the term Affiliated Entity means a person or entity that directly or indirectly controls the Contractor, is controlled by it, or, with the Contractor, is under common control of another person or entity;
- any responsible official of the Disclosing Party, any Contractor or any Affiliated Entity or any other official, agent or employee of the Disclosing Party, any Contractor or any Affiliated Entity, acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any Contractor or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
- b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
- c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).

6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of (1) bid-rigging in violation of 720 ILCS 5/33E-3; (2) bid-rotating in violation of 720 ILCS 5/33E-4; or (3) any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.

7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.

8. [FOR APPLICANT ONLY] (i) Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted, or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency"; and (ii) the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City. NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.

9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM").

10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such

contractor/subcontractor that does not provide such certifications or that the Applicant has reason to believe has not provided or cannot provide truthful certifications.

11. If the Disclosing Party is unable to certify to any of the above statements in this Part B (Further Certifications), the Disclosing Party must explain below:

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago (if none, indicate with "N/A" or "none").

None

13. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law (if none, indicate with "N/A" or "none"). As to any gift listed below, please also list the name of the City recipient.

None

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

1. The Disclosing Party certifies that the Disclosing Party (check one)

is is not

a "financial institution" as defined in MCC Section 2-32-455(b).

2. If the Disclosing Party IS a financial institution, then the Disclosing Party pledges:

"We are not and will not become a predatory lender as defined in MCC Chapter 2-32. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in MCC Chapter 2-32. We understand that becoming a predatory lender or becoming an affiliate of a predatory lender may result in the loss of the privilege of doing business with the City."

If the Disclosing Party is unable to make this pledge because it or any of its affiliates (as defined in MCC Section 2-32-455(b)) is a predatory lender within the meaning of MCC Chapter 2-32, explain here (attach additional pages if necessary):

None

If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.

D. CERTIFICATION REGARDING FINANCIAL INTEREST IN CITY BUSINESS

Any words or terms defined in MCC Chapter 2-156 have the same meanings if used in this Part D.

1. In accordance with MCC Section 2-156-110: To the best of the Disclosing Party's knowledge after reasonable inquiry, does any official or employee of the City have a financial interest in his or her own name or in the name of any other person or entity in the Matter?

Yes

No

NOTE: If you checked "Yes" to Item D(1), proceed to Items D(2) and D(3). If you checked "No" to Item D(1), skip Items D(2) and D(3) and proceed to Part E.

2. Unless sold pursuant to a process of competitive bidding, or otherwise permitted, no City elected official or employee shall have a financial interest in his or her own name or in the name of any other person or entity in the purchase of any property that (i) belongs to the City, or (ii) is sold for taxes or assessments, or (iii) is sold by virtue of legal process at the suit of the City (collectively, "City Property Sale"). Compensation for property taken pursuant to the City's eminent domain power does not constitute a financial interest within the meaning of this Part D.

Does the Matter involve a City Property Sale?

Yes

No

3. If you checked "Yes" to Item D(1), provide the names and business addresses of the City officials or employees having such financial interest and identify the nature of the financial interest:

Name

Business Address

Nature of Financial Interest

N/A

4. The Disclosing Party further certifies that no prohibited financial interest in the Matter will be acquired by any City official or employee.

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

Please check either (1) or (2) below. If the Disclosing Party checks (2), the Disclosing Party must disclose below or in an attachment to this EDS all information required by (2). Failure to comply with these disclosure requirements may make any contract entered into with the City in connection with the Matter voidable by the City.

1. The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

2. The Disclosing Party verifies that, as a result of conducting the search in step (1) above, the Disclosing Party has found records of investments or profits from slavery or slaveholder insurance policies. The Disclosing Party verifies that the following constitutes full disclosure of all such records, including the names of any and all slaves or slaveholders described in those records:

SECTION VI -- CERTIFICATIONS FOR FEDERALLY FUNDED MATTERS

NOTE: If the Matter is federally funded, complete this Section VI. If the Matter is not federally funded, proceed to Section VII. For purposes of this Section VI, tax credits allocated by the City and proceeds of debt obligations of the City are not federal funding.

A. CERTIFICATION REGARDING LOBBYING

1. List below the names of all persons or entities registered under the federal Lobbying Disclosure Act of 1995, as amended, who have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter: (Add sheets if necessary):

(If no explanation appears or begins on the lines above, or if the letters "NA" or if the word "None" appear, it will be conclusively presumed that the Disclosing Party means that NO persons or entities registered under the Lobbying Disclosure Act of 1995, as amended, have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter.)

2. The Disclosing Party has not spent and will not expend any federally appropriated funds to pay any person or entity listed in paragraph A(1) above for his or her lobbying activities or to pay any person or entity to influence or attempt to influence an officer or employee of any agency, as defined by applicable federal law, a member of Congress, an officer or employee of Congress, or an employee

of a member of Congress, in connection with the award of any federally funded contract, making any federally funded grant or loan, entering into any cooperative agreement, or to extend, continue, renew, amend, or modify any federally funded contract, grant, loan, or cooperative agreement.

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A(1) and A(2) above.

4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities," as that term is defined in the Lobbying Disclosure Act of 1995, as amended.

5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A(1) through A(4) above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.

B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations.

Is the Disclosing Party the Applicant?

Yes

No

If "Yes," answer the three questions below:

1. Have you developed and do you have on file affirmative action programs pursuant to applicable federal regulations? (See 41 CFR Part 60-2.)

Yes

No

2. Have you filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs, or the Equal Employment Opportunity Commission all reports due under the applicable filing requirements?

Yes

No

Reports not required

3. Have you participated in any previous contracts or subcontracts subject to the equal opportunity clause?

Yes

No

If you checked "No" to question (1) or (2) above, please provide an explanation:

SECTION VII -- FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.

B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.

C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.

D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.

E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. **NOTE:** With respect to Matters subject to MCC Chapter 1-23, Article I (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and all applicable Appendices, on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and all applicable Appendices, are true, accurate and complete as of the date furnished to the City.

HILLFORT LRS, LP
(Print or type exact legal name of Disclosing Party)

By [Signature]
(Sign here)

ALAN T. HANDLEY
(Print or type name of person signing)

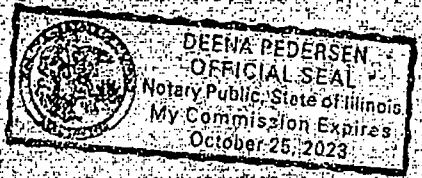
CEO
(Print or type title of person signing)

Signed and sworn to before me on (date) October 2nd 2020

at Cook County, Illinois (state)

Deena Pedersen
Notary Public

Commission expires: October 25th, 2023



**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX A**

**FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS
AND DEPARTMENT HEADS**

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all executive officers of the Disclosing Party listed in Section II.B.1.a., if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

Yes

No

If yes, please identify below (1) the name and title of such person, (2) the name of the legal entity to which such person is connected; (3) the name and title of the elected city official or department head to whom such person has a familial relationship, and (4) the precise nature of such familial relationship.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX B**

BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

1. Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes

No

2. If the Applicant is a legal entity publicly traded on any exchange, is any officer or director of the Applicant identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416?

Yes

No

The Applicant is not publicly traded on any exchange.

3. If yes to (1) or (2) above, please identify below the name of each person or legal entity identified as a building code scofflaw or problem landlord and the address of each building or buildings to which the pertinent code violations apply.

N/A

**CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVIT
APPENDIX C**

PROHIBITION ON WAGE & SALARY HISTORY SCREENING - CERTIFICATION

This Appendix is to be completed only by an Applicant that is completing this EDS as a “contractor” as defined in MCC Section 2-92-385. That section, which should be consulted (www.amlegal.com), generally covers a party to any agreement pursuant to which they: (i) receive City of Chicago funds in consideration for services, work or goods provided (including for legal or other professional services), or (ii) pay the City money for a license, grant or concession allowing them to conduct a business on City premises.

On behalf of an Applicant that is a contractor pursuant to MCC Section 2-92-385, I hereby certify that the Applicant is in compliance with MCC Section 2-92-385(b)(1) and (2), which prohibit: (i) screening job applicants based on their wage or salary history, or (ii) seeking job applicants’ wage or salary history from current or former employers. I also certify that the Applicant has adopted a policy that includes those prohibitions.

Yes

No

N/A – I am not an Applicant that is a “contractor” as defined in MCC Section 2-92-385.

This certification shall serve as the affidavit required by MCC Section 2-92-385(c)(1).

If you checked “no” to the above, please explain.

N/A

FORM OF AFFIDAVIT

Chairman, Committee on Zoning
Room 304 - City Hall
Chicago, IL 60602

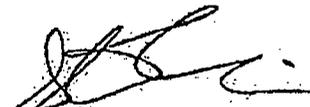
To Whom It May Concern:

I, STEVE KING, on behalf of Ozinga Materials, INC.

an Illinois corporation, understand that the Law Offices of Samuel V.P. Banks has filed a sworn affidavit identifying Ozinga Materials, INC. as a Tenant and Co-Applicant holding interest in land subject to the proposed zoning amendment for the property identified as 3151 S. California Ave., Chicago, IL.

I, STEVE KING, on behalf of Ozinga Materials,

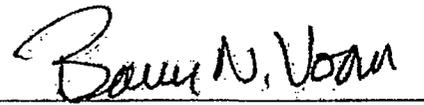
an Illinois corporation, being first duly sworn under oath, depose and say that Ozinga Materials, INC. holds that interest for itself and no other person, association, or shareholder.



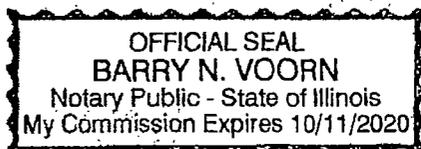
Ozinga Materials INC.

03-26-2020
Date

Subscribed and Sworn to before me
this 26th day of March, 2020.

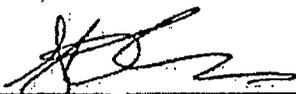


Notary Public



COUNTY OF COOK
STATE OF ILLINOIS

I, STEVE KING, on behalf of Ozinga Materials, Inc.
an Illinois corporation, being first duly sworn on oath, state that all of the above
statements and the statements contained in the documents submitted herewith are; to the
best of my knowledge, true and correct.



Signature of Applicant

Subscribed and Sworn to before me this

26th day of March, 2020.



Notary Public



For Office Use Only

Date of Introduction: _____

File Number: _____

Ward: _____

To whom it may concern:

I, Steve Klu, on behalf of Ozinga Materials, Inc.

, an Illinois corporation, a tenant and co-Applicant concerning the subject property located at 3151 S. California Ave., Chicago, IL, authorize the Law Offices of Samuel V.P. Banks to file a Zoning Map Amendment Application with the City of Chicago's Department of Planning and Development for that property.

BY: 

Ozinga Materials, Inc.

By Name: Steve Klu

Its: Exec VP of Sales and Bus. Dev.



CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT and AFFIDAVIT
Related to Contract/Amendment/Solicitation
EDS # 149617

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting the EDS:

Ozinga Materials, Inc. d/b/a Ozinga Materials & Logistics

Enter d/b/a if applicable:

The Disclosing Party submitting this EDS is:

the Applicant

B. Business address of the Disclosing Party:

19001 Old LaGrange Road
Mokena, IL 60448
United States

C. Telephone:

708-326-4210

Fax:

708-326-4211

Email:

nicoleramsay@ozinga.com

D. Name of contact person:

Nicole Ramsay

E. Federal Employer Identification No. (if you have one):

1-1111111111

F. Brief description of contract, transaction or other undertaking (referred to below as the "Matter") to which this EDS pertains:

Application for an amendment to the zoning ordinance

Which City agency or department is requesting this EDS?

DEPT OF PLANNING AND DEVELOPMENT

Specification Number

Contract (PO) Number

Revision Number

Release Number

User Department Project Number

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

Privately held business corporation

Is the Disclosing Party incorporated or organized in the State of Illinois?

Yes

B. DISCLOSING PARTY IS A LEGAL ENTITY:

1.a.1 Does the Disclosing Party have any directors?

Yes

1.a.3 List below the full names and titles of all executive officers and all directors, if any, of the entity. Do not include any directors who have no power to select the entity's officers.

Officer/Director: Martin Ozinga IV

Title: President

Role: Both

Officer/Director: Aaron Ozinga

Title:

Role: Director

Officer/Director: Donald L. Van Dyk

Title: Assistant Treasurer

Role: Both

Officer/Director: Barry N. Voorn

Title: Secretary

Role: Both

Officer/Director: Edward Van Poucke

Title: Chief Operating Officer

Role: Officer

Officer/Director: Kimberly Herlihy

Title: Treasurer

Role: Officer

2. Ownership Information

Please provide ownership information concerning each person or entity that holds, or is anticipated to hold (see next paragraph), a direct or indirect beneficial interest in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a limited liability company, or interest of a beneficiary of a trust, estate, or other similar entity. Note: Each legal entity below may be required to submit an EDS on its own behalf.

Please disclose present owners below. Please disclose anticipated owners in an attachment submitted through the "Additional Info" tab. "Anticipated owner" means an individual or entity in existence at the time application for City action is made, which is not an applicant or owner at such time, but which the applicant expects to assume a legal status, within six months of the time the City action occurs, that

would render such individual or entity an applicant or owner if they had held such legal status at the time application was made.

- Ozinga Bros., Inc. - 100% - EDS 150106
 - Jeffrey Ozinga Revocable Trust dated April 3, 2015 - 7.96% - EDS 150107
 - Martin Ozinga IV GST Separate Trust - 15.34% - EDS 150108
 - Karl S. Ozinga GST Separate Trust - 15.34% - EDS 150109
 - Justin A. Ozinga GST Separate Trust - 15.34% - EDS 150110
 - Aaron C. Ozinga GST Separate Trust - 15.34% - EDS 150111
 - Paul Andrew Ozinga GST Separate Trust - 15.34% - EDS 150112
 - Timothy J. Ozinga GST Separate Trust - 15.34% - EDS 150113

Owner Details

Name	Business Address
Aaron C. Ozinga GST Separate Trust	19001 Old LaGrange Mokena, IL 60448 United States
Jeffrey Ozinga Revocable Trust dated April 3, 2015	19001 Old LaGrange Road Mokena, IL 60448 United States
Justin A. Ozinga GST Separate Trust	19001 Old LaGrange Road Mokena, IL 60448 United States
Karl S. Ozinga GST Separate Trust	19001 Old LaGrange Road Mokena, IL 60448 United States
Martin Ozinga IV GST Separate Trust	19001 Old LaGrange Road Mokena, IL 60448 United States
Ozinga Bros., Inc.	19001 Old LaGrange Road, Suite 300 Mokena, IL 60448

United States
Paul Andrew Ozinga 19001 Old LaGrange Road
GST Separate Trust Mokena, IL 60448

United States

Timothy J. Ozinga 19001 Old LaGrange Road
GST Separate Trust Mokena, IL 60448

United States

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

A. Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS?

No

B. Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS?

No

D. Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code ("MCC")) in the Disclosing Party?

No

SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist (as defined in MCC Chapter 2-156), accountant, consultant and any other person or entity whom the Disclosing Party has retained or expects to retain in connection with the Matter, as well as the nature of the relationship, and the total amount of the fees paid or estimated to be paid. The Disclosing Party is not required to disclose employees who are paid solely through the Disclosing Party's regular payroll.

If the Disclosing Party is uncertain whether a disclosure is required under this Section, the Disclosing Party must either ask the City whether disclosure is required or make the disclosure.

1. Has the Disclosing Party retained or does it anticipate retaining any legal entities in connection with the Matter?

Yes

2. List below the names of all legal entities which are retained parties.

Name: Sandman Inc.
**Anticipated/
Retained:** Retained
Business Address: 19657 W Sharp Road
Elwood, IL 60421 United States
Relationship: Consultant
**Fees
(\$\$ or %):**
Estimated/Paid: Estimated

Name: Law Offices of Samuel V.P. Banks
**Anticipated/
Retained:** Retained
Business Address: 221 N LaSalle St
#3800
Chicago, IL 60601 United States
Relationship: Attorney
**Fees
(\$\$ or %):**
Estimated/Paid: Estimated

3. Has the Disclosing Party retained or does it anticipate retaining any persons in connection with the Matter?

No

SECTION V -- CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage of any child support obligations by any Illinois court of competent jurisdiction?

No

B. FURTHER CERTIFICATIONS

1. [This certification applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e. an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices so they can be considered for agency contracts in the future, or continue with a contract in progress).

This matter is not a contract handled by the Department of Procurement Services

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

I certify the above to be true

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft;

- forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
 - d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
 - e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

I certify the above to be true

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapter 2-56 (Inspector General) and Chapter 2-156 (Governmental Ethics).

I certify the above to be true

5. Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
- b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
- c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).

I certify the above to be true

6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of

- bid-rigging in violation of 720 ILCS 5/33E-3;
- bid-rotating in violation of 720 ILCS 5/33E-4; or
- any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.

I certify the above to be true

7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.

I certify the above to be true

8. [FOR APPLICANT ONLY]

- i. Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted, or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency" ; and
- ii. the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City.

NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.

I certify the above to be true

9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM")

I certify the above to be true

10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such contractor/subcontractor that does not provide such certifications or that the

Applicant has reason to believe has not provided or cannot provide truthful certifications.

I certify the above to be true

11. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago.

None

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law.

None

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

The Disclosing Party certifies, as defined in MCC Section 2-32-455(b), the Disclosing Party

is not a "financial institution"

D. CERTIFICATION REGARDING FINANCIAL INTEREST IN CITY BUSINESS

Any words or terms defined in MCC Chapter 2-156 have the same meanings if used in this Part D.

1. In accordance with MCC Section 2-156-110: To the best of the Disclosing Party's knowledge after reasonable inquiry, does any official or employee of the City have a financial interest in his or her own name or in the name of any other person or entity in the Matter?

No

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

If the Disclosing Party cannot make this verification, the Disclosing Party must disclose all required information in the space provided below or in an attachment in the "Additional Info" tab. Failure to comply with these disclosure requirements may

make any contract entered into with the City in connection with the Matter voidable by the City.

The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

I can make the above verification

SECTION VI -- CERTIFICATIONS FOR FEDERALLY FUNDED MATTERS

Is the Matter federally funded? For the purposes of this Section VI, tax credits allocated by the City and proceeds of debt obligations of the City are not federal funding.

No

SECTION VII - FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

- A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.
- B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.

I acknowledge and consent to the above

The Disclosing Party understands and agrees that:

- C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.
- D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.
- E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. NOTE: With respect to Matters subject to MCC Article I of Chapter 1-23 (imposing PERMANENT INELIGIBILITY for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

I acknowledge and consent to the above

APPENDIX A - FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS AND DEPARTMENT HEADS

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece

or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all corporate officers of the Disclosing Party, if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

No

APPENDIX B - BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416??

No

APPENDIX C-PROHIBITION ON WAGE & SALARY HISTORY SCREENING

This Appendix is to be completed only by an Applicant that is completing this EDS as a "contractor" as defined in MCC Section 2-92-385. That section, which should be consulted (www.amlegal.com), generally covers a party to any agreement pursuant to which they: (i) receive City of Chicago funds in consideration for services, work or goods provided (including for legal or other professional services), or (ii) pay the City money for a license, grant or concession allowing them to conduct a business on City premises.

On behalf of an Applicant that is a contractor pursuant to MCC Section 2-92-385, I hereby certify that the Applicant is in compliance with MCC Section 2-92-385(b)(1) and (2), which prohibit: (i) screening job applicants based on their wage or salary history, or (ii) seeking job applicants' wage or salary history from current or former employers. I also certify that the Applicant has adopted a policy that includes those prohibitions.

This certification shall serve as the affidavit required by MCC Section 2-92-385(c)(1).

N/A - I am not an Applicant that is a "contractor" as defined in MCC Section 2-92-385.

ADDITIONAL INFO

Please add any additional explanatory information here. If explanation is longer than 1000 characters, you may add an attachment below. Please note that your EDS, including all attachments, becomes available for public viewing upon contract award. Your attachments will be viewable "as is" without manual redaction by the City. You are responsible for redacting any non-public information from your documents before uploading.

The response above to Section V B-2 and B-11 are based upon the best of the Disclosing Party's knowledge after reasonable inquiry.

List of vendor attachments uploaded by City staff

None.

List of attachments uploaded by vendor

None.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and Appendices A and B (if applicable), on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and Appendices A and B (if applicable), are true, accurate and complete as of the date furnished to the City. Submission of this form constitutes making the oath associated with notarization.

/s/ 03/16/2020

Nicole Ramsay

Legal Assistant

Ozinga Materials, Inc. d/b/a Ozinga Materials & Logistics

This is a printed copy of the Economic Disclosure Statement, the original of which is filed electronically with the City of Chicago. Any alterations must be made electronically, alterations on this printed copy are void and of no effect.

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312.751.5600

Susan T. Morakalis
General Counsel

312.751.6557 f: 312.751.6598
morakaliss@mwrld.org

February 21, 2020

By First Class U.S. Mail
and email to: jjksandman@gmail.com

John Koty, President
Sandman Inc.
19657 W Sharp Road
Elwood, IL 60421

Re: Request by Lakeshore Recycling Systems, LLC ("Lakeshore") and Ozinga Materials, Inc. ("Ozinga") that the Metropolitan Water Reclamation District of Greater Chicago ("District") Sign a Letter Stating No Objection to the Filing of a Zoning Map Amendment Application on Lakeshore's 11.97 Acre Leasehold Located at 3151 South California Avenue in Chicago, Illinois; Main Channel Parcel 42.06; Lease Nos. L-343 and L-343A; File No. 19 CM-006

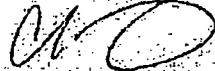
Dear Mr. Koty:

Enclosed is the letter you requested signed by the District's Executive Director stating no objection to the filing of a zoning map amendment application on Lakeshore's leasehold located on the subject District real estate.

Please note that nothing in the Executive Director's letter should be construed as authorizing any use of the leasehold for any purposes other than those expressly stated in Article 3.07 of the Lease Agreement dated November 17, 2016 between the District and Lakeshore and Paragraph 3 of the Consent to Sublease dated April 5, 2018 between the District, Lakeshore and Ozinga.

Please contact me at (312) 751-6569 or at murrayc@mwrld.org should you have any questions.

Sincerely yours,



Christopher M. Murray
Head Assistant Attorney

Attachment

cc: Rich Golf (rgolf@lrsrecycles.com) (w/ Attachment)
J.R. Wydra (jrwydra@ozinga.com) (w/ Attachment)

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312.751.5600

Susan T. Morakalis

General Counsel

312.751.6557 f: 312.751.6598

morakaliss@mwrdd.org

February 18, 2020

City of Chicago
Department of Planning and Development
121 N. LaSalle St., 10th Floor
Chicago, IL 60602

Re: Landowner's Letter of No Objection to a Zoning Map Amendment Application to be Filed on Behalf of the Respective Tenants and Co-Applicants, Lakeshore Recycling Systems, LLC, an Illinois Limited Liability Company ("Lakeshore"), and Ozinga Materials, Inc., an Illinois Corporation ("Ozinga") with the City of Chicago's Department of Planning and Development for the Property Located at 3151 South California Avenue, Chicago, Illinois; Lease Nos. L-343 and L-343A; File No. 19 CM 006

To Whom It May Concern:

Please be advised that the Metropolitan Water Reclamation District of Greater Chicago ("MWRD") is the owner of the subject property, which is comprised of 11.97 acres of land located at the common address of 3151 South California Avenue, Chicago, Illinois. Lakeshore leases the subject property from the MWRD, and Ozinga subleases 6.75 acres of the 11.97 acre site from Lakeshore. The MWRD has no objection to a zoning map amendment application to be filed on behalf of Lakeshore and Ozinga with the City of Chicago in order to establish an Industrial Waterway Planned Development at the subject property.

Sincerely,



Brian A. Perkovich
Executive Director

STM:CMM:vp



DEPARTMENT OF BUILDINGS
CITY OF CHICAGO

DATE: 05/28/2020
TO: Patrick Maloney, PE, Assistant Chief Engineer
FROM: Andrew Billing, PE, Lead Stormwater Reviewer
SUBJECT: Determination Based on Design Plans, dated: 05/06/2020

CEB

Project Name: **Ozinga Materials—Driveway Apron Replacement**
Project Address: **3151 S California Ave**
Tracking Number: **N/A**
Designer/Developer: **Landmark Engineering**

Not a Regulated Development. The above referenced project is not a regulated development under the stormwater ordinance for the following reasons:

1. The project does not disturb a land area or substantially contiguous land areas of 15,000 square feet or more.
2. The project does not create an at-grade impervious surface of 7,500 or more substantially contiguous square feet.
3. The project does not result in discharges of stormwater into any waters or separate sewer system.

Departmental requirements are subject to change. This record of determination is **valid for one year** from the date of issue indicated above. It is the designer's/developer's responsibility to field check the size, location, and invert elevation of existing sewers and other city-owned or private utilities prior to the start of construction.

Originated by: **Andrew Billing, PE, CFM, Lead Stormwater Reviewer**
Mackie Consultants, LLC

CEB

cc-Designer: **Brad Hensley, PE, Landmark Engineering**

Not Reg Dev



Ozinga Materials & Logistics
19001 Old LaGrange Road, Mokena, IL 60448
708.326.4300

June 8, 2020

Department of Planning and Development
Attn: Commissioner Patrick Murphy
City Hall
121 N LaSalle St., RM 905
Chicago, IL.60602

RE: Ozinga Materials – PD Application at 3151 S. California Avenue

Dear Commissioner Murphy,

Regarding the PD application at location noted above, Ozinga Materials & Logistics (OML) and its consultant team (Consultant) participated in a pre-intake meeting with various City Departments on November 27, 2019. The following are OML's responses to comments received at the meeting:

- OML will provide a mobile water spraying unit for surface dust control in all unloading, loading and process areas;
- OML will provide a mobile water assisted sweeping device to clean and maintain the driveway surface;
- OML will publish a policy to all customers using the site that engine idling time must be limited to 5 minutes or less to assist in the reduction of greenhouse gas emissions. A sign stating this policy will be posted near the entrance to the property.
- OML will enforce truck tarping policy for all loaded trucks, both inbound & outbound.
- OML will enforce the following noise controls:
 - 6:00 AM to 6:00 PM during working days
 - Crushing equipment and mobile yard equipment to meet all noise suppression standards
 - All arriving materials will be free flowing from truck trailers and will not require tailgate slamming to discharge material – to be posted as company yard policy.

As our desire to serve the local economy and communities, OML is dedicated to lowering environmental impacts at our facilities. Please do not hesitate to contact me if you have any questions.

Sincerely,

Isaac Yun, P.E.
Director of Project Development
Ozinga Materials & Logistics
312-343-9434
IsaacYun@Ozinga.com



Ozinga Materials & Logistics
19001 Old LaGrange Road, Mokena, IL 60448
708.326.4300

February 21, 2020

Department of Planning and Development
Attn: Commissioner Patrick Murphy
City Hall
121 N LaSalle St., RM 905
Chicago, IL 60602

RE: PD Application at 3151 S. California Avenue

Dear Commissioner Murphy,

Regarding the PD application at location noted above, Ozinga Materials & Logistics (OML) and its consultant team (Consultant) participated in a pre-intake meeting with various City Departments on November 27, 2019. The following are OML's responses to comments received at the meeting:

- OML will provide a mobile water spraying unit for surface dust control in all unloading, loading and process areas;
- OML will provide a mobile water assisted sweeping device to clean and maintain the driveway surface;
- OML will publish a policy to all customers using the site that engine idling time must be limited to 5 minutes or less to assist in the reduction of greenhouse gas emissions. A sign stating this policy will be posted near the entrance to the property.

As our desire to serve the local economy and communities, OML is dedicated to lowering environmental impacts at our facilities. Please do not hesitate to contact me if you have any questions.

Sincerely,

Isaac Yun, P.E.

Director of Project Development
Ozinga Materials & Logistics
312-343-9434
IsaacYun@Ozinga.com

Ozinga Materials – Applicant
IM Crushing - Operator

3151 South California Avenue
Chicago, IL 60608

Fugitive Particulate Matter Control Plan

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1.0 Introduction

This document serves as the Fugitive Particulate Matter Control Plan (The Plan) for the OML site located at 3151 South California Avenue, Chicago, Illinois (the Site). This Plan is used as the primary reference for controlling particulate matter, or dust. Guidance for the format of this Plan is provided in Illinois Administrative Codified Regulations 35 IAC 212.309 and 310, and Section 12.5.13 of the City of Chicago Transfer Station Application Requirements and Location, Operating and Design Standards. The activities listed in this Plan shall not be required when the wind speed exceeds 25 mph, pursuant to 35 IAC 212.314. However, IM Crushing will continue to perform dust control measures where feasible when wind speeds exceed 25 mph.

IM Crushing performs the crushing of concrete for recycling purposes. Uncrushed concrete and Recycled CA-6 (crushed concrete) are placed in storage areas at the site. IM Crushing also provides the continuing operation of the barge terminal activities which include the inbound (unloading) receipt and storage of various aggregate materials and the outbound (loading) of various aggregate and other approved waste materials.

Particulate matter emission sources at the site include the following:

1. One primary crusher, one secondary crusher, stacking conveyor(s)
2. Concrete Storage area and aggregates storage bins
3. Roads, including entrances and exits, at the site.
4. Continuing Barge terminal activities

Observations of potential particulate matter emissions will be performed by site personnel. Visible emission observations will generally follow the guidelines typical of USEPA Method 22 procedures. The person performing the observation should have a clear view of the activity and be at least 15 feet away from that activity. The sun should be positioned at the back of the observer. The observation period shall be a minimum of six minutes, or the length of the observation process being observed.

Edits to this plan are reflected in the Amendments section.

2.0 Source Information

IM Crushing – 31st Street Facility

3151 South California Avenue

Chicago, Illinois 60608

Owner of the Site: Ozinga materials

Operator of the Site: IM Crushing LLC

Map of the Site: The map of the Site includes site boundaries, structure locations, internal roads, entrance and exit ways, and potential emission points. The map is in Appendix A.

3.0 Description of Unloading and Transportation Equipment with Pollution Control Equipment

3.1 Unloading Operations

The Site receives previously used, broken concrete from demolition projects. This material is stored on the site, then crushed into Recycled CA-6 concrete aggregates. The concrete aggregates are stored in a holding bin on the property.

Trucks which transport concrete to and from the site are tarped except during unloading operations when they deliver the material directly to the raw material storage area. The material storage bins on the site are surrounded by three walls, and only have one open side for access by material handling loaders. Loaders and trucks also operate within the facility to transport the material throughout the site.

3.2 Process Operations

Pre breaking of the broken concrete is accomplished using hydraulic excavators equipped with hydraulic breakers to reduce the size of the broken concrete to meet the size requirement for introduction to the primary crusher.

Articulating front end Loaders are used to transport broken concrete from the raw material storage bin to the crushers. Conveyor systems transport the product(s) from the crusher to the holding bins.

Fugitive dust generated by delivering concrete to the crusher is controlled by limiting the free fall of the raw material into the crusher.

3.3 Continuing Barge Terminal Operations

Barges are essential to the operations of the site. Old concrete can be shipped to the site on the barges while crushed concrete can be loaded and shipped from the site.

Miscellaneous aggregates are shipped to the site by barge and held in bins to be sold and shipped from the site by truck.

A Material Handler equipped with a clamshell bucket is used to move materials to and from the barge. Fugitive dust generated by delivering materials to and from the barge is controlled by limiting the free fall of materials.

3.4 Best Management Practices

The following is a table which shows the Best Management Practices for each potential dust emission source:

Emission Source	Best Management Practice
Truck Loading and Unloading	<ul style="list-style-type: none"> - A non-accelerating dump speed is applied during truck unloading and loading - Trucks delivering material remain tarped until unloading material at the site - Periodic inspection of all dust control equipment
Barge Loading and Unloading	<ul style="list-style-type: none"> - Limiting the free fall distance of material when loading or unloading barges.
All materials Storage Bins	<ul style="list-style-type: none"> - Material does not overflow or escape storage bin walls - Water or other dust suppressant is applied to materials when needed - Periodic inspection of all material storage bins
Transfer Points	<ul style="list-style-type: none"> - A minimal free fall distance be used when transferring material into the feed hopper - A minimal free fall distance will be used when transferring material from conveyors - Periodic inspections to ensure best management practices are sustained
Conveyors	<ul style="list-style-type: none"> - Maintain constant speed of conveyors to limit dust - Periodic inspections to ensure best management practices are sustained
Crusher Spraying Equipment	<ul style="list-style-type: none"> - Water spray for crusher is continually operating except during precipitation events - Periodic inspections to ensure best management practices are sustained
Traffic Areas/Roadway Cleaning	<ul style="list-style-type: none"> - Paved plant roads are maintained using a water assisted sweeper truck during Site operation (weather permitting). - Entrances/Exits are maintained using a water assisted sweeper truck during Site operation (weather permitting). - Maintain and post a 5-mph speed limit for the Site - Periodic inspections to ensure best management practices are sustained

Section 4.0 Emission Sources

4.1 Truck Loading and Unloading

4.1.1 Activity: Broken concrete (raw material) Unloading and miscellaneous aggregates loading.

Codified Regulation(s): 35 IAC 212.315

Best Management Practices Associated with Activity

- A non-accelerating dump speed and limited free fall distance is practiced during truck unloading and loading
- Trucks transporting material remain covered until loading/unloading material at the site

Scheduled Performance of Practice: Daily

Monitoring Practice: Daily

Broken concrete is transported to and from the site with the use of trucks and barges. The concrete is transported within the site with the use of loaders. The trucks transporting the material must be tarped until the process of unloading or loading takes place.

The Best Management Practices listed above shall be performed daily. If visible emissions are observed, corrective action will be performed.

4.2 Barge Loading and Unloading

4.2.1 Activity: Material loading to and unloading from barges

Codified Regulation(s): 35 IAC 212.315

Best Management Practices Associated with Activity

- A limited free fall distance is practiced during barge unloading and loading

Scheduled Performance of Practice: Daily

Monitoring Practice: Daily

Materials are transported to and from the site with the use barges. The materials are transported within the site with the use of loaders. Loaders will place materials throughout the site with a limited free fall distance.

The Best Management Practices listed above shall be performed daily. If visible emissions are observed, corrective action will be performed.

4.3 Raw Material Storage Bin

4.3.1 Activity: Broken Concrete Storage (raw material)

Codified Regulation(s): 35 IAC 212.304

Best Management Practices Associated with Activity

- Material does not overflow or escape storage bin walls
- Water or other dust suppressant is applied to materials when needed

Scheduled Performance of Practice: Daily

Monitoring Practice:

Daily

Broken Concrete stored must not exceed the height of 30ft. In addition, the material must remain within the storage bin. The concrete does not generate dust. However, in the unlikely event that dust is observed, water or another dust suppressant shall be placed on the material.

The Best Management Practices listed above shall be performed daily. If visible emissions are observed, corrective action will be performed. Dust suppressant on the material shall only be placed on the material if visible emissions (dust) is observed.

4.3.2 Activity: Pre-Breaking

Best Management Practices Associated with Activity

- Material remains in area of pre-breaking activity

Scheduled Performance of Practice:

Daily

Concrete which arrives at the site undergoes a pre-breaking process before being transferred to the crusher. This is usually performed with the use of a jackhammer on a piece of mobile equipment. No dust is generated from this practice.

4.4 Transfer Points and Conveyors

4.4.1 Activity: Concrete Transfer

Codified Regulation(s): 35 IAC 212.305

Best Management Practices Associated with Activity

- A minimal free fall distance will be used when transferring material into the feed hopper
- A minimal free fall distance will be used when transferring material from conveyors
- Maintain constant speed of conveyors to limit dust

Scheduled Performance of Practice:

Daily

Monitoring Practice:

Daily

Concrete is delivered to the feed hopper using loaders. The loaders shall unload the material at a minimum free fall distance to prevent dust from being generated. In addition, conveyors will be placed to limit dust at transfer points. Finally, conveyors will operate at a constant speed.

The Best Management Practices listed above shall be performed daily. If visible emissions are observed, corrective action will be performed.

4.5 Crusher Spraying Equipment

4.5.1 Activity: Crusher Spray Operation

Codified Regulation(s): 35 IAC 212.308

Best Management Practices Associated with Activity

- Water spray for crusher is operating continually during operation except during precipitation events

Scheduled Performance of Practice:

Daily

Monitoring Practice:

Daily

A water spray or equivalent will always be applied to the point of crushing during operation. This will not be operational during precipitation events.

A determination for visible emissions from the point of crushing shall be observed. If visible emissions are observed, corrective action will be performed.

4.6 Traffic Areas and Roadway Cleaning

4.6.1 Activity: Operation on Site Roads

Codified Regulation(s): 35 IAC 212.306

Best Management Practice Associated with Activity

- Paved site roads are maintained using a wet sweeper truck during Site operation (weather permitting).

Scheduled Performance of Practice: Daily at a minimum

Monitoring Practice: Daily

The internal roads of the site shall be swept to mitigate dust generated from traffic. In addition, a determination for visible emissions from the plant road shall be observed. If visible emissions are observed, corrective action will be performed.

4.6.2 Activity: Entrance/Exit Operation

Best Management Practice Associated with Activity

- Entrances/Exits are maintained using a wet sweeper truck during Site operation (weather permitting).

Scheduled Performance of Practice: Daily at a minimum

Monitoring Practice: Daily

The Entrances/Exits of the plant experience heavy volumes of traffic during a normal workday. These areas shall be swept daily at a minimum to control dust.

In addition, a determination for visible emissions from the Entrances/Exits shall be observed. If visible emissions are observed, corrective action will be performed.

4.6.3 Activity: Ancillary Roadway Activities

Best Management Practices Associated with Activity

- Maintain and post a 5-mph speed limit for the Site

For safety and to prevent dust generation, all vehicles shall be limited to a speed of five miles per hour. This shall always be enforced. This shall be performed on an as-needed basis.

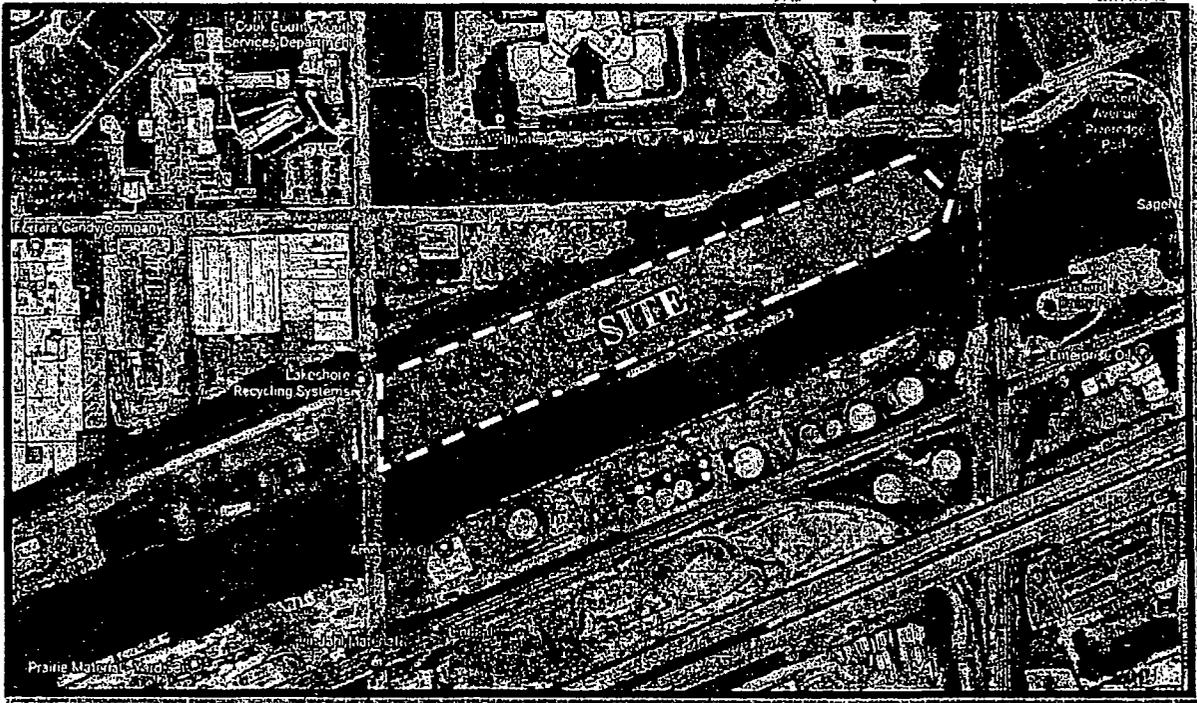
Section 5.0 Periodic Inspections

Routine inspections are necessary for the proper operation of all equipment at the Site. A weekly inspection shall be performed on the following equipment:

- Crusher Spray Equipment
- Storage Bin Walls
- All Sweepers

Appendix A – Site Plan

Traffic Impact Study Concrete Crushing Operation Chicago, Illinois



Prepared For:

Ozinga Materials and Logistics

December 24, 2019

1. Introduction

This report summarizes the methodologies, results, and findings of a traffic study conducted by Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA, Inc.) for a proposed concrete crushing operation to be located in Chicago, Illinois. The concrete crushing operation is to be located within the existing Lakeshore Recycling System (LRS) truck and container yard located on the east side of California Avenue along the north side of the Chicago Sanitary and Ship Canal. LRS uses the western portion of the site for the storage, maintenance, and repair of waste industry containers. Ozinga Materials and Logistics currently leases the eastern portion of the site as a barge terminal. Access to the overall site is provided via a single access drive located on the east side of California Avenue at the north end of the site.

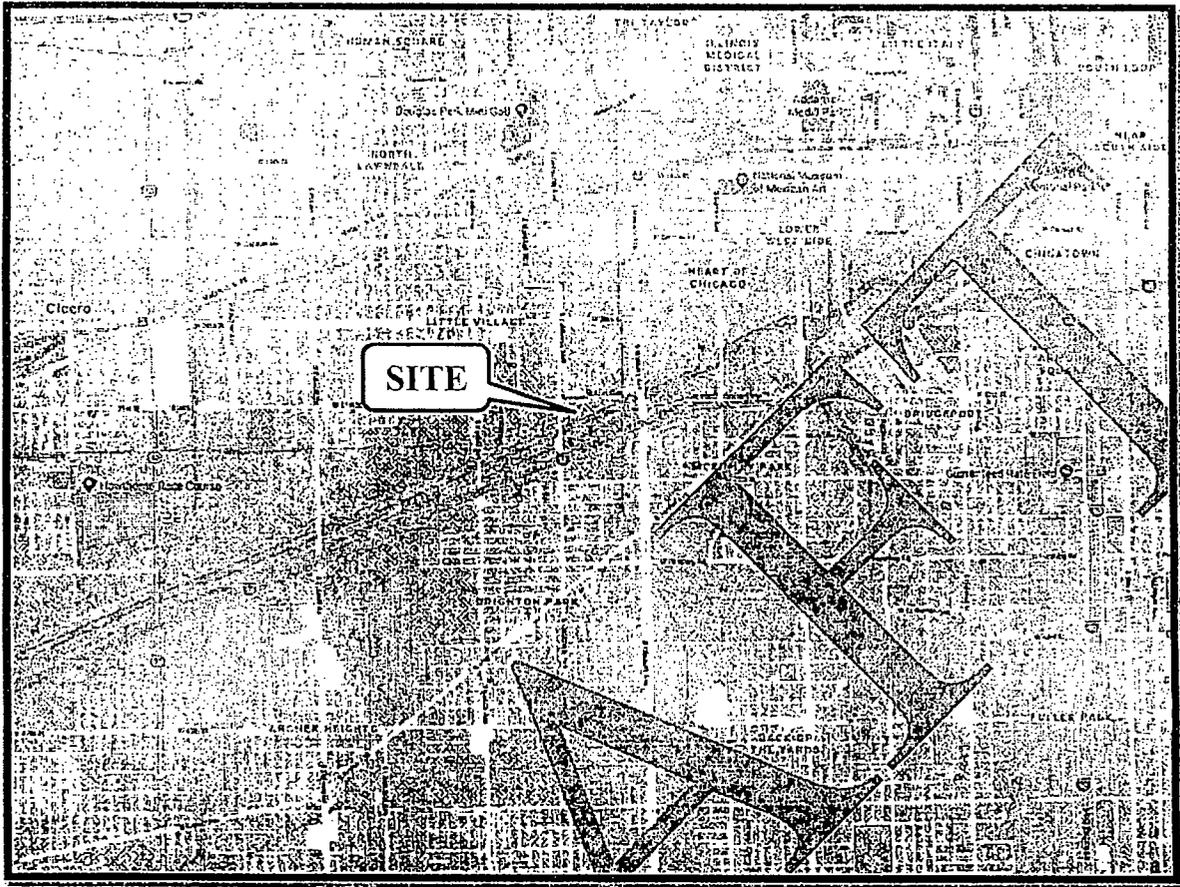
Ozinga Materials and Logistics is proposing to install a concrete crushing operation on the eastern portion of the site where the barge terminal is located. The concrete crushing equipment will include both a primary (jaw) crusher and a secondary (rotary style) crusher that are used in series to produce finished materials (product). In addition, storage bins will be used to stockpile (1) the clean broken concrete transported to the site from local construction and demolition (C&D) projects, street/highway projects, and other construction projects and (2) the finished materials until they are transported from the site. The materials will be transported to and from the site via dump trucks or to the site via barges.

The purpose of this study was to examine background traffic conditions, assess the impact that the proposed operation will have on traffic conditions in the area, and determine if any street or access improvements are necessary to accommodate traffic generated by the proposed operation.

Figure 1 shows the location of the site in relation to the area street system. Figure 2 shows an aerial view of the site.

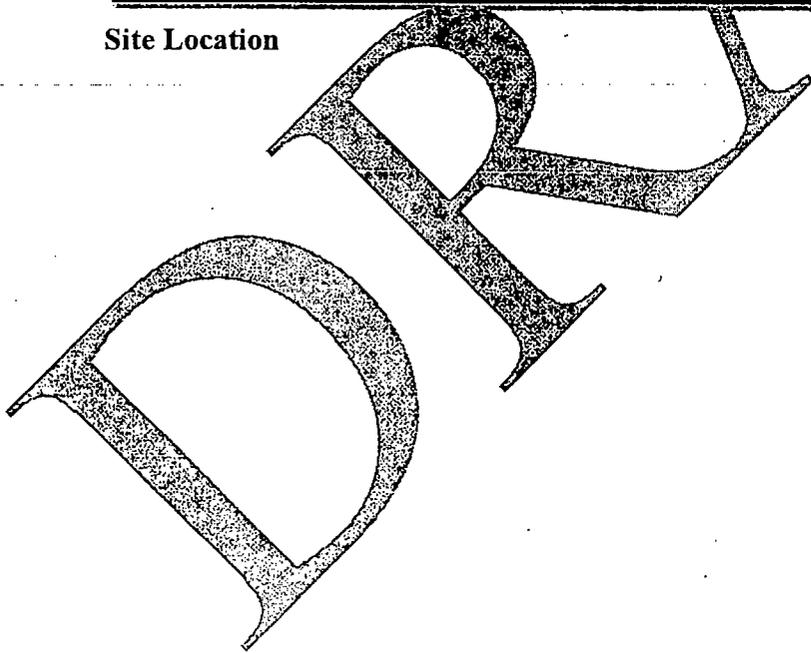
The sections of this report present the following:

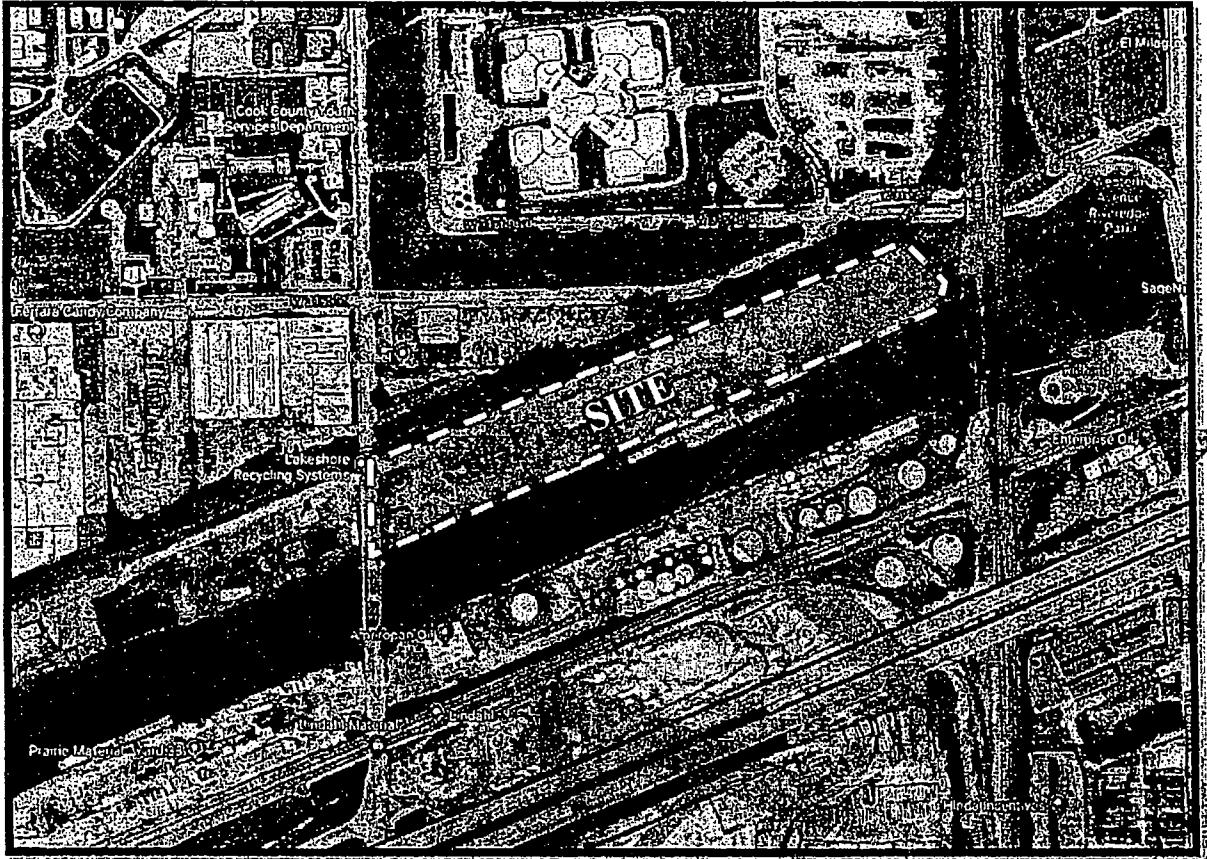
- Existing street conditions
- A description of the proposed concrete crushing operation
- Directional distribution of the concrete crushing operation traffic
- Vehicle trip generation for the concrete crushing operation
- Future traffic conditions including access to the concrete crushing operation
- Traffic analyses for the weekday morning and evening peak hours
- Recommendations with respect to adequacy of the site access and adjacent street system



Site Location

Figure 1





Aerial View of Site

Figure 2

DRR

Traffic capacity analyses were conducted for the weekday morning and evening peak hours for the following conditions:

1. Existing Condition - Analyzes the capacity of the existing street system using existing peak hour traffic volumes in the surrounding area.
2. Future Condition - Analyzes the capacity of the existing street system based on future projected traffic volumes that include the existing traffic volumes increased by an ambient area growth factor (growth not attributable to any particular development) and the traffic estimated to be generated by the proposed concrete crushing operation.

DRAFT

2. Existing Conditions

Existing street and traffic conditions within the study area were documented based on field visits and traffic counts. The following provides a summary of the physical characteristics of the streets including geometry and traffic control, public transportation available in the area, and the peak hour vehicle, pedestrian, and bicycle flows along area streets.

Site Location

The concrete crushing operation is to be located within the existing LRS truck and container yard located on the east side of California Avenue along the north side of the Chicago Sanitary and Ship Canal. LRS uses the western portion of the site for the storage, maintenance, and repair of waste industry containers and Ozinga Materials and Logistics currently leases the eastern portion of the site as a barge terminal. Land uses in the area include industrial, warehouse, distribution, construction, and trucking facilities.

Existing Street System Characteristics

The characteristics of the existing streets within the study area are illustrated in Figure 3 and described below.

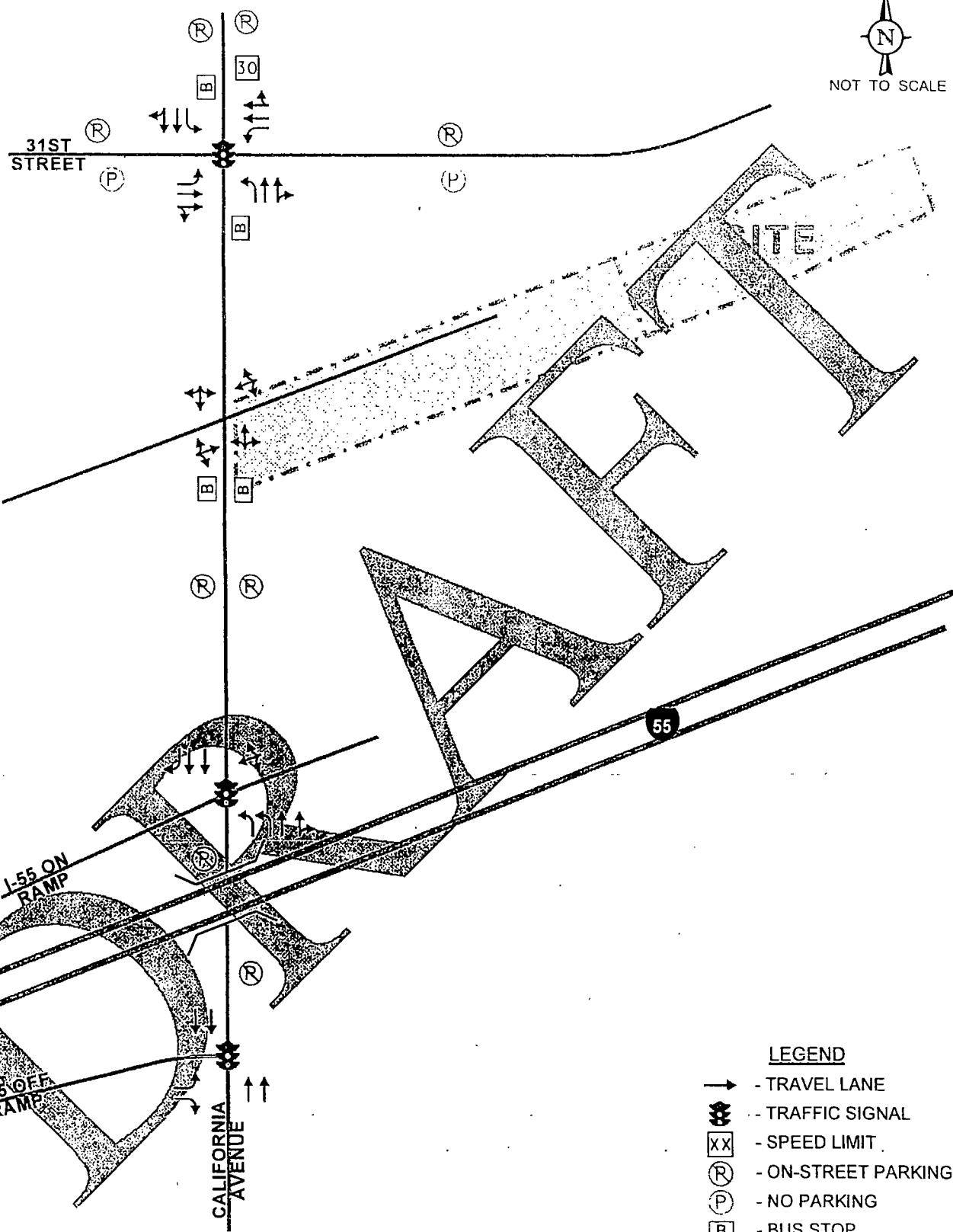
California Avenue is a north-south, major collector street that has a partial interchange with I-55 (to and from the southwest). It generally has one lane in each direction, except within proximity to the I-55 interchange where two lanes in each direction are provided. Parking is generally prohibited on both sides of the street within the vicinity of the site. Separate left-turn lanes are provided on California Avenue at its intersections with the I-55 on-ramp (dual left-turn lanes on the northbound approach) and 31st Street (single left-turn lanes on both approaches). A southbound separate right-turn lane is provided on California Avenue at its intersection with the I-55 on-ramp. California Avenue is under the jurisdiction of the Cook County Department of Transportation and Highways (CCDOH) between I-55 and 31st Street and the Illinois Department of Transportation (IDOT) south of I-55, has a posted speed limit of 30 mph, and has an Annual Average Daily Traffic (AADT) volume of 18,900 vehicles (IDOT 2018).

31st Street is an east-west, minor arterial street that generally has one lane in each direction with parking permitted on the south side of the street. At its signalized intersection with California Avenue, 31st Street has a separate left-turn lane, a through lane, and a shared through/right-turn lane on both approaches. 31st Street is under the jurisdiction of CDOT and has an AADT volume of 9,850 vehicles (IDOT 2018).

I-55 Off-Ramp has dual left-turn lanes and a separate right-turn lane at its signalized intersection with California Avenue.



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LEGEND

- - TRAVEL LANE
- ⓧ - TRAFFIC SIGNAL
- XX - SPEED LIMIT
- Ⓡ - ON-STREET PARKING
- Ⓟ - NO PARKING
- Ⓛ - BUS STOP

Concrete Crushing Facility
Chicago, Illinois

Existing Roadway Characteristics

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.

Job No: 19-248 Figure: 3

Public Transportation

The area is served via the following bus routes:

- Route 94 (South California) which has a stop at the site
- Route 60 (Blue Island/26th) which has a local stop at the California Avenue/26th Street intersection
- Route 35 (31st/35th) which has a local stop at the California Avenue/35th Street intersection

In addition, the CTA Rapid Transit Pink Line has a local stop on California Avenue with 21st Street.

Existing Traffic Volumes

In order to determine the existing transportation conditions in the area, vehicle, pedestrian, and bicycle traffic counts were performed at the following intersections:

- California Avenue with the I-55 ramps
- California Avenue with 31st Street
- California Avenue with the existing site access drive

The traffic counts were performed on Thursday, October 24, 2019, during the weekday morning (6:00 to 9:00 A.M.) and evening (3:00 to 6:00 P.M.) peak periods. The results of the traffic counts show that the weekday morning peak hour occurred from 7:15 A.M. to 8:15 A.M. and the weekday evening peak hour occurred from 4:45 P.M. to 5:45 P.M. **Figure 4** illustrates the existing peak hour traffic volumes. It should be noted that the pedestrian and bicycle activity in the area is very limited. Copies of the traffic count summary sheets are included in the Appendix.



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31ST STREET

27 (27)
 401 (603)
 7 (10)
 4 (10)
 158 (315)
 124 (271)

52 (19)
 228 (190)
 116 (308)
 156 (202)
 746 (490)
 121 (104)

25 (15)
 614 (1167)
 2 (0)

6 (16)
 1 (1)
 29 (18)

27 (20)
 1016 (780)
 1 (0)

409 (772)
 237 (414)
 0 (0)

18 (0)
 18 (0)
 1 (1)

I-55 ON RAMP

I-55 OFF RAMP

240 (415)
 CALIFORNIA AVENUE
 1277 (1117)

485 (449)
 248 (606)

55

LEGEND

- 00 - WEEKDAY MORNING PEAK HOUR (7:15-8:15 AM)
- (00) - WEEKDAY EVENING PEAK HOUR (4:45-5:45 PM)

Concrete Crushing
 Facility
 Chicago, Illinois

Existing Traffic Volumes



Crash Analysis

KLOA, Inc. obtained accident data for the most recent available past five years (2014 to 2018) for the intersections of California Avenue with the I-55 ramps, California Avenue with the site access drive, and California Avenue with 31st Street. A summary of the crash data for the intersections are summarized in **Table 1** through **4**. It should be noted that no fatalities were reported at the studied intersections during the review period.

Table 1

CALIFORNIA AVENUE WITH I-55 OFF-RAMP - CRASH SUMMARY

Year	Type of Accident Frequency						Total
	Angle	Object	Rear End	Sideswipe	Turning	Other	
2014	0	1	3	7	7	0	18
2015	0	0	2	1	5	4	12
2016	0	0	4	5	12	0	21
2017	0	2	7	1	7	0	17
2018	0	1	0	1	8	0	10
Total	0	4	16	15	39	4	78
Average/Year	0	<1.0	3.2	3.0	7.8	<1.0	15.6

Table 2

CALIFORNIA AVENUE WITH I-55 ON-RAMP - CRASH SUMMARY

Year	Type of Accident Frequency						Total
	Angle	Object	Rear End	Sideswipe	Turning	Other	
2014	0	0	3	1	3	0	7
2015	1	0	2	1	2	0	6
2016	1	1	1	0	2	0	5
2017	0	0	3	0	4	0	7
2018	0	0	3	2	4	0	9
Total	2	1	12	4	15	0	34
Average/Year	<1.0	<1.0	2.4	<1.0	3	0	6.8

Table 3
 CALIFORNIA AVENUE WITH 31ST STREET - CRASH SUMMARY

Type of Accident Frequency							
Year	Angle	Object	Rear End	Sideswipe	Turning	Other	Total
2014	2	4	8	3	5	2	24
2015	0	4	8	2	6	0	20
2016	1	5	7	2	4	0	19
2017	1	3	5	6	5	3	23
2018	3	3	8	3	9	0	26
Total	7	19	36	16	29	5	112
Average/Year	1.4	3.8	7.2	3.2	5.8	7.0	22.4

Table 4
 CALIFORNIA AVENUE WITH SITE ACCESS DRIVE - CRASH SUMMARY

Type of Accident Frequency							
Year	Angle	Object	Rear End	Sideswipe	Turning	Other	Total
2014	0	3	3	0	1	0	7
2015	0	5	1	3	2	0	11
2016	0	1	1	1	2	1	6
2017	1	5	5	0	1	0	12
2018	0	2	1	0	0	2	5
Total	1	12	11	4	6	3	37
Average/Year	<1.0	2.4	2.2	<1.0	1.2	<1.0	7.4

3. Traffic Characteristics of the Proposed Facility

In order to properly evaluate future traffic conditions in the surrounding area, it was necessary to determine the traffic characteristics of the proposed concrete crushing operation, including the directional distribution and volumes of traffic that it will generate.

Proposed Site and Facility Plan

The concrete crushing operation is to be located within the existing LRS truck and container yard located on the east side of California Avenue along the north side of the Chicago Sanitary and Ship Canal. LRS uses the western portion of the site for the storage, maintenance, and repair of waste industry containers and Ozinga Materials and Logistics currently leases the eastern portion of the site as a barge terminal.

Ozinga Materials and Logistics is proposing to install a concrete crushing operation on the eastern portion of the site where the barge terminal is located. The concrete crushing equipment will include both a primary (jaw) crusher and a secondary (rotary) style crusher that are used in series to produce finished materials (product). In addition, storage bins will be used to stockpile (1) the clean broken concrete transported to the site from local construction and demolition (C&D) projects, street/highway projects, and other construction projects and (2) the finished materials until they are transported from the site.

The materials will be transported to and from the site via dump trucks or to the site via barges. According to the operator, the concrete crushing operation and the existing barge terminal will generate approximately 100 to 110 round-trip, dump truck trips per day. Approximately 70 percent of the dump truck trips are projected to arrive and depart the facility between the hours of 10:00 A.M. and 3:00 P.M. The operation is estimated to have three employees and will operate from 6:00 A.M. to 6:00 P.M. Monday through Saturday.

Access to the LRS truck and container yard and the subject site is provided via one access drive located on the east side of California Avenue at the north end of the site. The access drive is aligned opposite the access drive to the LRS transfer station and Connelly GPM material yard. Both access drives provide one inbound lane and one outbound lane.

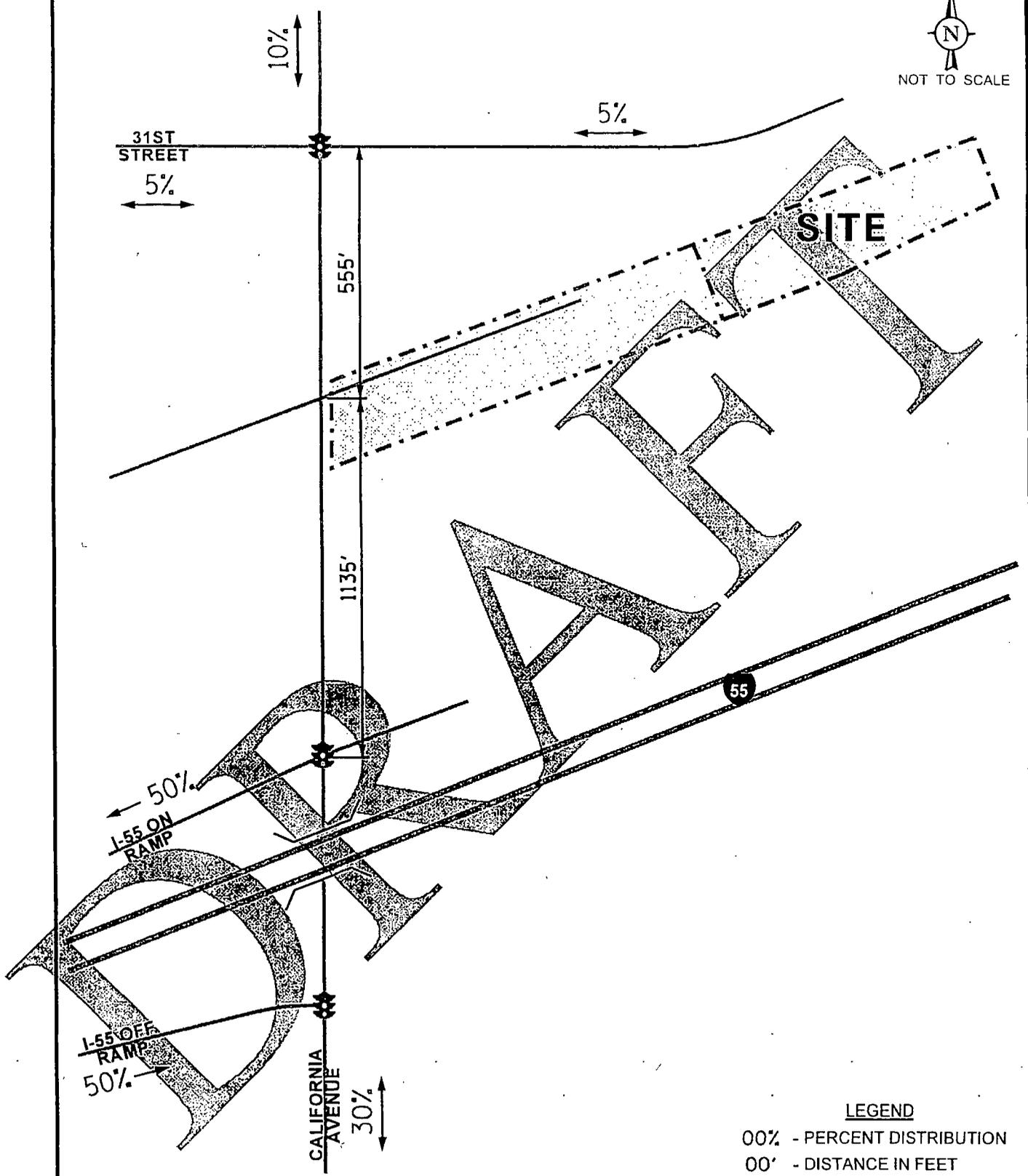
A copy of the site plan is located in the Appendix.

Directional Distribution

The directions from which vehicles will approach and depart the site was estimated based on the projected operation. According to the operator, approximately 80 percent of the traffic will be traveling to and from the south on California Avenue and 20 percent will be traveling to and from the north on California Avenue. **Figure 5** illustrates the directional distribution of the concrete crushing operation.



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Concrete Crushing Facility
Chicago, Illinois

Estimated Directional Distribution

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.
Job No 19-248 Figure: 5

Estimated Site Traffic Generation

The volume of peak hour traffic to be generated by the proposed concrete crushing operation and barge terminal was estimated based on its operation. As discussed previously, the operator has indicated that the concrete crushing operation and the existing barge terminal will generate approximately 100 to 110 round-trip, dump truck trips per day. Approximately 70 percent of the dump truck trips are projected to arrive and depart the site between the hours of 10:00 A.M. and 3:00 P.M. The operation is estimated to have three employees and will typically operate from 6:00 A.M. to 6:00 P.M. Monday through Saturday. **Table 5** shows the estimated traffic to be generated by the proposed concrete crushing operation.

Table 5
**PROJECTED PEAK HOUR TRAFFIC VOLUMES
 CONCRETE CRUSHING OPERATIONS AND BARGE TERMINAL**

Use	Weekday Morning Peak Hour			Weekday Evening Peak Hour		
	In	Out	Total	In	Out	Total
Concrete Crushing Operation	10	10	20	10	10	20

4. Projected Traffic Conditions

The total projected traffic volumes include the existing traffic volumes, the traffic estimated to be generated by the proposed concrete crushing operations, and the traffic estimated to be generated by other planned developments in the nearby area.

Development Traffic Assignment

The estimated weekday morning and evening peak hour traffic volumes that will be generated by the proposed concrete crushing operation were assigned to the street system in accordance with the previously described directional distribution (Figure 5). The total new traffic assignment for the concrete crushing operation is illustrated in **Figure 6**.

Planned Developments

To account for any additional increase in traffic from other developments in the area, an ambient growth factor of 0.5 percent per year was also applied to the study area over a six-year period to represent Year 2025 conditions.

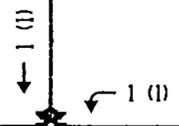
Total Projected Traffic Volumes

The concrete crushing operation generated traffic was added to the existing traffic volumes accounting for background growth to determine the Year 2025 total projected traffic volumes, shown in **Figure 7**.



NOT TO SCALE

31ST STREET



SITE



55

I-55 ON RAMP

I-55 OFF RAMP

CALIFORNIA AVENUE



LEGEND

- 00 - WEEKDAY MORNING PEAK HOUR (7:15-8:15 AM)
- (00) - WEEKDAY EVENING PEAK HOUR (4:45-5:45 PM)

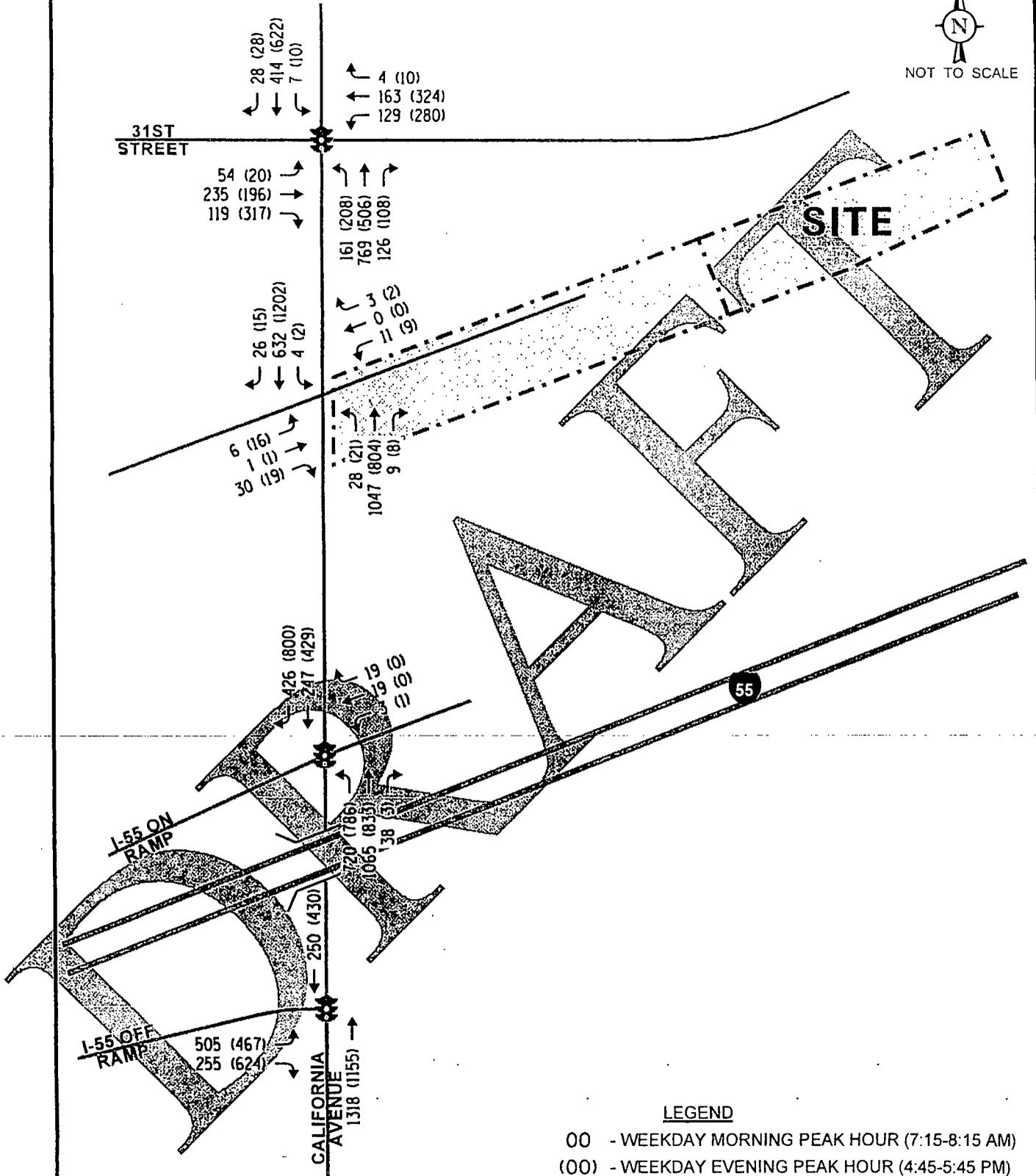
Concrete Crushing Facility
Chicago, Illinois

Concrete Crushing Operation Traffic Volumes

KLOA
Kenig, Lundgren, O'Hara, Aboona, Inc.
Job No: 19-248 Figure: 6



NOT TO SCALE



LEGEND

- 00 - WEEKDAY MORNING PEAK HOUR (7:15-8:15 AM)
- (00) - WEEKDAY EVENING PEAK HOUR (4:45-5:45 PM)

Concrete Crushing
Facility
Chicago, Illinois

Total Projected Traffic Volumes



Job No 19-248

Figure: 7

5. Traffic Analysis and Recommendations

The following provides an evaluation conducted for the weekday morning and evening peak hours. The analysis includes conducting capacity analyses to determine how well the street system and access drive are projected to operate and whether any street improvements or modifications are required.

Traffic Analyses

Street and adjacent or nearby intersection analyses were performed for the weekday morning and evening peak hours for the existing (Year 2019) and Year 2025 projected traffic volumes.

The traffic analyses were performed using the methodologies outlined in the Transportation Research Board's *Highway Capacity Manual* (HCM), 2010 and analyzed using the Synchro/SimTraffic 10 software. The analysis for the traffic-signal controlled intersections were accomplished using field measured cycle lengths and phasings to determine the average overall vehicle delay and levels of service.

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 for signalized intersections and unsignalized intersections are included in the Appendix of this report.

Summaries of the traffic analysis results showing the level of service and overall intersection delay (measured in seconds) for the existing and total projected conditions are presented in **Tables 6** through **9**. A discussion of each intersection follows. Summary sheets for the capacity analyses are included in the Appendix.

Table 6
 CAPACITY ANALYSIS RESULTS – CALIFORNIA AVENUE AND I-55 OFF-RAMP - SIGNALIZED

Peak Hour	Eastbound		Northbound		Southbound		Overall
	L	R	T		T		
Year 2019 Existing Traffic Volumes	Weekday Morning Peak Hour	C 26.6	A 1.8	C 26.2	D 44.4	C 25.6	
	Weekday Evening Peak Hour	D 35.7	B 12.2	B 15.4	A 7.2	B 16.9	
	Weekday Morning Peak Hour	C – 22.2		C 28.0	D 44.6	C 26.9	
Year 2025 Projected Traffic Volumes	Weekday Morning Peak Hour	C 28.0	A 1.9	C 28.0	D 44.6	C 26.9	
	Weekday Evening Peak Hour	D 38.1	B 13.5	B 15.8	A 7.2	B 17.8	
	Weekday Morning Peak Hour	C – 24.0		C 28.0	D 44.6	C 26.9	

Letter denotes Level of Service
 Delay is measured in seconds.
 L – Left Turns
 R – Right Turns
 T – Through

Table 7
CAPACITY ANALYSIS RESULTS – CALIFORNIA AVENUE AND I-55 ON-RAMP - SIGNALIZED

Peak Hour	Westbound		Northbound		Southbound		Overall
	L/T/R		L	T	T	R	
Year 2019 Existing Traffic Volumes	D 40.2	C 20.6	A 3.8	C 26.1	C 22.8	B 14.4	
			B-10.5	C-23.7			
Year 2025 Projected Traffic Volumes	D 37.0	B 15.1	A <1.0	B 18.5	F 84.0	C 30.7	
			A-7.5	E-61.2			
Year 2025 Projected Traffic Volumes	D 41.2	C 20.6	A 3.8	C 26.2	C 26.6	B 15.2	
			B-10.4	C-26.5			
Year 2025 Projected Traffic Volumes	D 37.0	B 15.2	A <1.0	B 18.9	F 101.2	D 35.5	
			A-7.5	E-72.3			

Letter denotes Level of Service
Delay is measured in seconds.
L - Left Turns
T - Through
R - Right Turns



Table 9
 CAPACITY ANALYSIS RESULTS
 CALIFORNIA AVENUE WITH ACCESS DRIVES
 UNSIGNALIZED

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Existing Conditions				
• Westbound Approach	F	114.3	F	245.5
• Eastbound Approach	E	44.8	F	223.1
• Northbound Left Turn	B	10.8	B	12.6
• Southbound Left Turn	B	14.2	A	--
Year 2025 Projected Traffic Volumes				
• Westbound Approach	F	190.1	F	299.6
• Eastbound Approach	E	51.9	F	448.3
• Northbound Left Turn	B	10.9	B	12.9
• Southbound Left Turn	B	14.6	A	--
LOS = Level of Service Delay is measured in seconds.				

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Discussion and Recommendations

The following summarizes how the intersections are projected to operate and identifies any street and traffic control improvements necessary to accommodate the development-generated traffic.

California Avenue with I-55 Off-Ramp

The results of the capacity analyses show that this signalized intersection currently operates at Level of Service (LOS) C during the weekday morning peak hour and LOS B during the evening peak hour. Further, all of the intersection movements operate at a good level of service during both peak hours. It should be noted that the northbound left-turn queue at the California Avenue with I-55 on-ramp intersection often extends past the subject intersection. However, it is important to note that the queue typically does not block the intersection as most motorists will stop and wait south of the subject intersection until the northbound left-turn queue clears. However, this results in additional delay and queueing along the California Avenue northbound inside through lane at the subject intersection.

Assuming the Year 2025 projected traffic volumes, the intersection is projected to continue to operate at LOS C during the weekday morning peak hour and LOS B during the weekday evening peak hour. Further, all of the intersection movements are projected to continue to operate at a good level of service. The proposed concrete crushing operation is projected to have a limited impact on the intersection's operation as the additional traffic generated by the concrete crushing operation will represent less than a one percent increase in the existing traffic volumes. As such, the intersection has sufficient reserve capacity to accommodate the traffic projected to be generated by the proposed concrete crushing operation and no street improvements and/or traffic control modifications are required.

California Avenue with I-55 On-Ramp

The results of the capacity analyses show that this signalized intersection currently operates at LOS B during the weekday morning peak hour and LOS C during the weekday evening peak hour. Further, all of the intersection movements operate at a good level of service during both peak hours, except the southbound right-turn movement. During the evening peak hour, the southbound right-turn movement is operating at LOS F. Further, as discussed above, the northbound left-turn queue often extends through the downstream intersection.

Assuming the Year 2025 projected traffic volumes, the intersection is projected to operate at LOS B during the weekday morning peak hour and on the threshold between LOS C/D during the weekday evening peak hour. Further, all of the intersection movements are projected to continue to operate at a good level of service, except the southbound right-turn movement which is projected to continue to operate at LOS F during the evening peak hour. The proposed concrete crushing operation is projected to have a limited impact on the intersection's operation as the additional traffic generated by the concrete crushing operation will represent less than a one percent increase in the existing traffic volumes. As such, the intersection has sufficient reserve capacity to accommodate the traffic projected to be generated by the proposed concrete crushing operation and no street improvements and/or traffic control modifications are required.

California Avenue with 31st Street

The results of the capacity analyses show that this signalized intersection currently operates at LOS C during the weekday morning and evening peak hours. Further, all of the intersection movements operate at a good level of service during both peak hours, except the southbound through movement. During the evening peak hour, the southbound through movement is currently operating at LOS E.

Assuming the Year 2025 projected traffic volumes, the intersection is projected to continue to operate at LOS C during the weekday morning and evening peak hours. Further, all of the intersection movements are projected to continue to operate at a good level of service, except the southbound through movement which is projected to continue to operate at LOS E during the evening peak hour. The proposed concrete crushing operation is projected to have a limited impact on the intersection's operation as the additional traffic generated by the concrete crushing operation will represent less than a one percent increase in the existing traffic volumes. As such, the intersection has sufficient reserve capacity to accommodate the traffic projected to be generated by the proposed concrete crushing operation and no street improvements and/or traffic control modifications are required.

California Avenue with Site Access Drive

Access to the LRS truck and container yard and the subject site is provided via one access drive located on the east side of California Avenue at the north end of the site. The access drive is aligned opposite the access drive to the LRS transfer station and Connelly GPM material yard. Both access drives provide one inbound lane and one outbound lane with the outbound lanes under stop sign control.

The results of the capacity analyses show that the two access drives operate at LOS E or F during the weekday morning and evening peak hours. This is due to the higher traffic volumes along California Avenue and the reduced number of gaps in the traffic stream. This traffic is able to exit onto California Avenue but experiences additional delay during the morning and evening peak periods. Assuming the Year 2025 projected traffic volumes, the access drives are projected to continue to operate at LOS E or F. It should be noted that the inbound left-turn movements to the access drives are currently and projected to operate at a good level of service.

The site is bounded by an abandoned railroad right-of-way on the north side of the site with the abandon railroad right-of-way having a viaduct that extends over California Avenue. The viaduct, which has columns in the middle of and on both sides of California Avenue, is located immediately north of the existing access drive. Field observations have shown that the viaduct eastern column can obstruct the view of vehicles traveling southbound on California Avenue. However, the column obstruction is reduced as vehicles pull closer to and/or slightly pull out onto California Avenue and the driver is able to see around the column. Crash data for the past five years (2014 through 2018) has shown that vehicles exiting the existing access drive have experienced a limited number of crashes. As such, the review of the crash data indicates that the access drive is generally providing efficient and orderly access. Nevertheless, the City should consider installing an "Intersection Warning" sign with or without a flashing beacon along southbound California Avenue north of the viaduct.

6. Conclusion

Based on the preceding analyses and recommendations, the following conclusions have been made:

- The volume of traffic to be generated by the proposed concrete crushing operation will be reduced as some inbound materials will be transported to the site via barges.
- Approximately 70 percent of the dump truck trips are projected to arrive and depart the facility between the hours of 10:00 A.M. and 3:00 P.M. As such, the volume of traffic to be generated during the critical weekday morning and evening peak periods will be limited.
- Access to the concrete crushing operation facility and the LRS truck and container yard will be provided via the existing access drive located on the east side of California Avenue at the north end of the site. The access drive is aligned opposite the access drive to the LRS transfer station and Connelly GPM material yard. Both access drives provide one inbound lane and one outbound lane.
- Field observations have shown that the eastern column of the viaduct on California Avenue immediately north of the existing access drive can obstruct the view of vehicles traveling southbound on California Avenue. However, the column obstruction is reduced as vehicles pull closer to and/or slightly pull out onto California Avenue and the drivers are able to see around the column. A review of the crash data has shown that vehicles exiting the existing access drive have experienced a limited number of crashes. As such, the access drive is generally providing efficient and orderly access. Nevertheless, the City should consider installing an "Intersection Warning" sign with or without a flashing beacon along southbound California Avenue north of the viaduct.
- The results of the capacity analyses have shown that the street system generally has sufficient reserve capacity to accommodate the limited volume of peak period traffic to be generated by the proposed concrete crushing operation. As such, no street and/or traffic control modifications are required.

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Appendix

- Traffic Count Summary Sheets
- Preliminary Site Plan
- Level of Service Criteria
- Capacity Analysis Summary Sheets

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Traffic Count Summary Sheets



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(847)518-9990

Count Name: California Avenue with 31st Street
Site Code: 10/24/2019
Page No: 1

Turning Movement Data

Start Time	31st Street Eastbound					31st Street Westbound					California Avenue Northbound					California 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	10	26	32	0	68	0	19	24	0	43	0	29	16	15	0	0	160	0	0	79	6	1	85	356
6:15 AM	0	15	33	30	0	78	0	13	24	1	38	0	31	20	2	0	0	207	0	5	61	5	3	71	394
6:30 AM	0	19	44	31	1	94	0	16	46	5	67	0	46	16	6	0	0	227	0	4	64	5	3	73	461
6:45 AM	0	17	40	25	0	82	0	21	45	2	68	0	34	15	1	0	0	212	0	0	62	13	2	75	437
Hourly Total	0	61	143	118	1	322	0	69	139	8	216	0	140	52	10	0	0	806	0	9	266	29	3	304	1648
7:00 AM	0	13	61	37	0	111	0	30	37	1	68	0	40	15	3	0	0	221	0	1	103	4	0	108	508
7:15 AM	0	8	51	39	0	98	0	28	38	0	66	0	27	17	3	0	0	251	0	1	98	10	0	109	524
7:30 AM	0	14	64	24	0	102	0	30	32	1	63	0	27	19	2	0	0	256	0	1	98	2	0	101	522
7:45 AM	0	15	50	28	0	93	0	38	47	2	87	0	34	24	0	0	0	239	0	5	95	8	0	108	527
Hourly Total	0	50	226	128	0	404	0	126	154	4	284	0	146	70	12	0	0	967	0	8	394	24	1	426	2081
8:00 AM	0	15	63	25	0	103	0	28	41	1	70	0	50	16	3	0	0	262	0	0	95	7	0	102	537
8:15 AM	0	15	54	29	0	98	0	21	45	4	70	0	32	15	4	0	0	226	0	3	58	3	0	64	458
8:30 AM	0	17	66	31	0	114	0	20	15	6	79	0	42	13	3	0	0	228	0	5	67	7	0	79	500
8:45 AM	0	18	62	30	0	110	0	20	17	3	64	0	30	13	2	0	0	189	0	6	62	11	0	79	442
Hourly Total	0	65	245	115	0	425	0	91	178	14	283	0	154	57	13	0	0	905	0	14	282	28	0	324	1937
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	4	63	93	0	160	0	51	89	1	141	0	38	95	25	0	0	158	0	4	154	6	0	164	623
3:15 PM	0	10	47	74	0	131	0	18	85	1	144	0	52	89	28	1	0	189	0	1	142	11	0	154	598
3:30 PM	0	6	58	82	1	146	0	14	70	0	84	0	39	112	21	0	0	172	0	4	139	10	0	153	605
3:45 PM	0	6	37	46	0	89	0	17	71	1	148	0	30	115	20	0	0	165	0	0	149	8	2	157	559
Hourly Total	0	26	205	295	1	626	0	249	313	5	567	0	159	411	94	2	0	664	0	9	584	35	4	628	2365
4:00 PM	0	5	40	91	0	136	0	61	93	0	154	0	46	86	17	2	0	149	0	0	140	8	0	148	592
4:15 PM	0	9	44	66	0	119	0	66	97	0	163	0	56	86	21	0	0	163	0	3	149	13	0	165	610
4:30 PM	0	8	64	72	0	144	0	59	83	0	142	0	52	96	18	0	0	166	0	4	154	5	0	163	615
4:45 PM	0	6	50	98	1	144	0	74	82	2	156	0	51	121	29	0	0	201	0	0	146	7	0	153	656
Hourly Total	0	28	199	317	1	543	0	254	360	2	622	0	205	389	85	2	0	679	0	7	599	33	0	629	2473
5:00 PM	0	5	50	72	0	127	0	16	78	3	145	0	51	100	18	1	0	169	0	3	147	4	0	154	590
5:15 PM	0	4	51	61	0	116	0	15	75	2	145	0	50	130	34	0	0	214	0	3	144	9	0	156	654
5:30 PM	0	4	44	61	0	112	0	16	68	3	148	0	50	139	23	2	0	212	0	4	150	7	0	161	633
5:45 PM	0	12	58	51	0	121	0	34	83	0	137	0	42	114	31	0	0	187	0	3	110	13	0	126	571
Hourly Total	0	25	198	271	0	494	0	193	483	106	575	0	193	483	106	3	0	782	0	13	551	33	0	597	2440
Grand Total	0	255	1215	1244	6	2944	0	1046	1460	41	2547	0	997	3193	613	11	0	4803	0	60	2666	182	6	2908	12972
Approach %	0.0	9.4	44.8	45.8	0.0	20.9	0.0	41.1	57.3	1.6	19.6	0.0	20.6	68.5	12.8	0.0	0.0	37.0	0.0	2.1	91.7	6.3	0.0	22.4	-
Total %	0.0	2.0	9.4	9.6	0.0	20.9	0.0	8.1	11.3	0.3	19.6	0.0	7.7	24.6	4.7	0.0	0.0	37.0	0.0	0.5	20.6	1.4	0.0	22.4	-
Lights	0	242	1126	1173	0	2541	0	900	1366	35	2301	0	939	3048	481	0	0	4468	0	58	2523	175	0	2756	12066

	84.9	92.7	94.3	93.6	86.0	93.6	85.4	90.3	94.2	95.5	78.5	96.7	94.6	96.2	94.8	93.0
% Lights	0	3	3	6	1	10	0	11	0	37	2	0	34	0	-	94.8
Buses	0	0	0.2	0.2	0.1	0.7	0.0	0.4	0.1	1.2	0.3	0.8	1.3	0.0	-	35
% Buses	0	51	45	105	85	43	2	130	42	68	70	0	66	5	-	1.2
Single-Unit Trucks	3.5	4.2	3.6	3.9	8.1	2.9	4.9	5.1	4.2	2.2	11.4	0.0	2.5	2.7	-	71
% Single-Unit Trucks	4	34	22	60	60	38	3	101	15	35	50	0	38	0	-	2.4
Articulated Trucks	1.6	2.8	1.8	2.2	5.7	2.6	7.3	4.0	1.5	1.1	9.8	1.7	1.4	0.0	-	310
% Articulated Trucks	0	1	1	2	0	3	1	4	0	0	0	0	5	2	-	2.4
Bicycles on Road	0.0	0.1	0.1	0.1	0.0	0.2	2.4	0.2	0.0	0.1	0.0	0.0	0.2	1.1	-	17
% Bicycles on Road	-	-	-	6	-	-	-	13	-	-	-	-	-	-	-	0.1
Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

KBRD



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400
Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: California Avenue with 31st Street
Site Code:
Start Date: 10/24/2019
Page No: 3

Turning Movement Peak Hour Data (7:15 AM)

Start Time	31st Street Eastbound					31st Street Westbound					California Avenue Northbound					California 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	
7:15 AM	0	8	51	39	0	98	0	28	38	0	0	66	0	27	197	37	0	251	0	1	98	10	0	109	
7:30 AM	0	14	64	24	0	102	0	30	32	1	2	63	0	42	190	24	0	256	0	1	98	2	1	101	
7:45 AM	0	15	50	28	0	93	0	38	47	2	1	87	0	37	173	29	0	239	0	5	95	8	0	108	
8:00 AM	0	15	63	25	0	103	0	28	41	1	0	70	0	50	181	0	0	262	0	0	95	7	0	102	
Total	0	52	228	116	0	396	0	124	158	4	0	286	0	156	731	127	0	1008	0	7	386	27	1	420	
Approach %	0.0	13.1	57.6	29.3	-	-	0.0	43.4	55.2	1.4	-	-	0.0	15.5	72.5	12.0	-	-	0.0	1.7	91.9	6.4	-	-	
Total %	0.0	2.5	10.8	5.5	-	18.8	0.0	5.9	7.5	0.2	-	13.9	0.0	7.4	34.6	5.7	-	47.8	0.0	0.3	16.3	1.3	-	19.9	
PHF	0.000	0.867	0.891	0.744	-	0.961	0.000	0.816	0.840	0.500	-	0.822	0.000	0.700	0.962	0.818	-	0.962	0.000	0.350	0.955	0.675	-	0.963	
Lights	0	47	213	97	-	357	0	87	142	3	-	232	0	118	1692	96	-	936	0	7	351	25	-	383	
% Lights	-	90.4	83.4	83.6	-	90.2	-	70.2	89.9	75.0	-	81.1	-	94.9	94.7	79.3	-	92.9	-	100.0	90.9	92.6	-	91.2	
Buses	0	0	2	3	-	5	0	0	5	0	-	5	0	0	6	0	-	6	0	0	6	0	-	6	
% Buses	-	0.0	0.9	2.6	-	1.3	-	0.0	3.2	0.0	-	1.7	-	0.0	1.2	0.0	-	0.9	-	0.0	1.6	0.0	-	1.4	
Single-Unit Trucks	0	3	8	9	-	20	0	2	10	1	-	34	0	8	20	13	-	41	0	0	15	1	-	16	
% Single-Unit Trucks	-	5.6	3.5	7.8	-	5.1	-	21.8	25.0	25.0	-	11.9	-	5.1	2.7	10.7	-	4.1	-	0.0	3.9	3.7	-	3.8	
Articulated Trucks	0	2	5	7	-	14	0	10	5	0	-	15	0	0	10	12	-	22	0	0	14	0	-	14	
% Articulated Trucks	-	3.8	2.2	6.0	-	3.5	-	8.1	3.2	0.0	-	5.2	-	0.0	1.4	9.9	-	2.2	-	0.0	3.6	0.0	-	3.3	
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	1	-	1	
% Bicycles on Road	-	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	3.7	-	0.2	
Pedestrians	-	-	-	-	0	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	0	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

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(847)518-9990

Count Name: California Avenue with 31st Street
Site Code:
Start Date: 10/24/2019
Page No: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	31st Street Eastbound					31st Street Westbound					California Avenue Northbound					California 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	6	50	88	1	144	0	74	82	2	2	158	0	51	121	29	0	201	0	0	146	7	0	153	656
5:00 PM	0	5	45	72	0	122	0	64	78	3	1	145	0	51	100	18	1	169	0	3	147	4	0	154	590
5:15 PM	0	4	51	84	0	139	0	68	75	2	0	145	0	50	130	14	0	214	0	3	164	9	0	156	654
5:30 PM	0	4	44	64	2	112	0	65	80	3	3	148	0	50	139	23	2	212	0	4	150	7	0	161	633
- Total	0	19	190	308	3	517	0	271	315	10	6	598	0	202	490	104	3	796	0	10	587	27	0	624	2533
Approach %	0.0	3.7	36.8	59.6	-	-	0.0	45.5	52.9	1.7	-	-	0.0	25.4	61.6	13.1	-	-	0.0	1.6	94.1	4.3	-	-	-
Total %	0.0	0.8	7.5	12.2	-	20.4	0.0	10.7	12.4	0.4	-	23.9	0.0	8.0	19.3	4.1	-	31.4	0.0	0.4	23.2	1.1	-	24.6	-
PHF	0.000	0.792	0.931	0.875	-	0.898	0.000	0.916	0.960	0.833	-	0.943	0.000	0.990	0.881	0.765	-	0.930	0.000	0.625	0.978	0.750	-	0.969	0.965
Lights	0	16	180	304	-	502	0	251	297	8	-	556	0	140	472	91	-	753	0	10	568	26	-	604	2415
% Lights	-	94.7	94.7	98.7	-	97.1	-	92.6	94.3	80.0	-	93.3	-	94.1	96.3	87.5	-	94.6	-	100.0	96.8	96.3	-	96.8	95.3
Bus	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	0.3	0.0	-	0.2	-	0.5	1.0	1.0	-	0.9	-	0.0	1.0	0.0	-	1.0	0.6
Single-Unit Trucks	0	1	4	3	-	8	0	25	27	1	-	22	0	8	9	8	-	25	0	0	10	1	-	11	66
% Single-Unit Trucks	-	5.3	2.1	1.0	-	1.5	-	4.4	4.0	0.0	-	3.7	-	4.0	1.8	7.7	-	3.1	-	0.0	1.7	3.7	-	1.8	-2.6
Articulated Trucks	0	0	6	1	-	7	0	8	7	1	-	16	0	3	1	4	-	8	0	0	1	0	0	1	32
% Articulated Trucks	-	0.0	3.2	0.3	-	1.4	-	3.0	2.2	10.0	-	2.7	-	1.5	0.2	3.8	-	1.0	-	0.0	0.2	0.0	-	0.2	1.3
Bicycles on Road	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	-	0.0	0.0	0.0	-	0.0	-	0.0	0.3	0.0	-	0.2	-	0.0	0.6	0.0	-	0.4	-	0.0	0.3	0.0	-	0.3	0.2
Pedestrians	-	-	-	-	3	-	-	-	-	4	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
% 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: California Avenue with Access
Drives
Site Code:
Start Date: 10/24/2019
Page No: 1

Turning Movement Data

Start Time	West Access Eastbound					East Access Westbound					California Avenue Northbound					California 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	2	1	1	0	4	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	129	4	0	133	298
6:15 AM	0	3	1	3	0	7	0	1	0	1	2	0	3	0	0	0	0	0	1	0	106	2	0	109	319	
6:30 AM	0	1	0	6	0	7	0	0	0	1	1	0	2	0	0	0	0	0	0	0	107	3	0	110	357	
6:45 AM	0	3	0	4	0	7	0	1	0	0	1	0	8	0	0	0	0	0	0	0	98	6	0	104	331	
Hourly Total	0	9	2	14	0	25	0	3	0	2	5	0	19	0	0	0	0	0	1	0	440	15	0	455	1305	
7:00 AM	0	4	0	9	0	13	0	1	0	0	1	0	5	0	0	0	0	0	0	0	170	4	0	174	413	
7:15 AM	0	2	0	3	0	5	0	0	0	0	0	0	7	0	0	0	0	0	0	0	156	6	0	162	413	
7:30 AM	0	2	1	8	0	11	0	2	0	0	2	0	3	0	0	0	0	0	0	0	154	2	0	156	439	
7:45 AM	0	0	0	8	0	8	0	0	0	1	2	0	0	0	0	0	0	0	0	0	136	10	0	146	401	
Hourly Total	0	8	1	28	0	37	0	4	0	3	5	0	20	0	0	0	0	0	0	0	616	22	0	640	1666	
8:00 AM	0	2	0	10	0	12	0	0	0	0	0	0	12	0	0	0	0	0	0	0	151	7	0	158	442	
8:15 AM	0	7	1	6	0	14	0	0	0	0	0	0	6	0	0	0	0	0	0	0	108	5	0	113	368	
8:30 AM	1	5	0	8	0	14	0	0	0	0	1	0	8	0	0	0	0	0	0	0	110	4	0	114	363	
8:45 AM	0	3	0	9	0	12	0	0	0	1	3	0	7	0	0	0	0	0	0	0	113	6	0	119	334	
Hourly Total	1	17	1	33	0	52	0	0	0	3	6	0	33	0	0	0	0	0	0	0	480	22	0	502	1507	
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3:00 PM	0	14	1	12	0	27	0	0	0	0	1	0	4	0	0	0	0	0	0	0	286	7	0	293	473	
3:15 PM	0	4	0	9	0	13	0	0	0	0	2	0	3	0	0	0	0	0	0	0	275	8	0	283	461	
3:30 PM	0	6	0	4	0	10	0	0	0	0	0	0	11	0	0	0	0	0	0	0	280	10	0	290	478	
3:45 PM	0	3	1	11	0	15	0	0	0	0	0	0	8	0	0	0	0	0	0	0	269	4	0	273	453	
Hourly Total	0	27	2	36	0	65	0	0	0	1	4	0	26	0	0	0	0	0	0	0	1110	29	0	1139	1865	
4:00 PM	0	14	0	8	0	22	0	0	0	0	2	0	4	0	0	0	0	0	0	0	292	5	0	297	464	
4:15 PM	0	2	0	5	0	7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	270	4	0	274	439	
4:30 PM	0	2	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	287	4	0	291	472	
4:45 PM	0	7	0	0	0	7	0	0	0	0	2	0	8	0	0	0	0	0	0	0	295	6	1	301	503	
Hourly Total	0	25	0	20	0	45	0	0	0	4	0	0	15	0	0	0	0	0	0	0	1144	19	1	1163	1878	
5:00 PM	0	2	0	0	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	278	3	0	281	451	
5:15 PM	0	4	0	0	0	4	0	0	0	0	1	0	3	0	0	0	0	0	0	0	303	4	0	307	528	
5:30 PM	0	3	0	6	0	9	0	0	0	0	0	0	4	0	0	0	0	0	0	0	275	2	0	277	499	
5:45 PM	0	3	0	3	0	6	0	0	0	0	0	0	6	0	0	0	0	0	0	0	220	3	0	223	413	
Hourly Total	0	12	0	21	0	33	0	0	0	0	1	0	18	0	0	0	0	0	0	0	1076	12	0	1088	1891	
Grand Total	1	98	7	152	0	258	0	9	3	5	17	0	131	4713	5	0	0	0	0	0	4866	119	1	4988	10112	
Approach %	0.4	38.0	2.7	58.9	-	-	0.0	52.9	17.6	29.4	-	0.0	2.7	97.2	0.1	-	-	-	-	-	97.6	2.4	-	-	-	
Total %	0.0	1.0	0.1	1.5	-	-	0.0	0.1	0.0	0.0	0.2	0.0	1.3	46.6	0.0	-	-	-	-	-	48.1	1.2	-	-	-	
Lights	0	48	2	58	-	-	0	0	0	3	6	0	52	4423	0	-	-	-	-	-	4605	43	-	-	-	

% Lights	0.0	49.0	28.6	38.8	-	42.2	-	0.0	100.0	60.0	-	35.3	-	39.7	93.8	0.0	-	100.0	0.0	94.6	36.1	-	93.2	91.4
Buses	0	1	0	0	-	1	0	0	0	0	-	0	0	0	38	0	-	0	0	37	0	-	37	76
% Buses	0.0	1.0	0.0	0.0	-	0.4	-	0.0	0.0	0.0	-	0.0	-	0.0	0.8	0.0	-	0.0	0.0	0.8	0.0	-	0.7	0.8
Single-Unit Trucks	1	37	5	60	-	103	0	6	0	1	-	9	0	54	157	5	-	216	0	133	55	-	190	518
% Single-Unit Trucks	100.0	37.8	71.4	39.5	-	39.9	-	88.9	0.0	20.0	-	52.9	-	41.2	3.3	100.0	-	4.5	0.0	50.0	2.7	47.1	3.8	5.1
Articulated Trucks	0	12	0	33	-	45	0	1	0	1	-	2	0	25	90	0	-	115	0	1	90	20	111	273
% Articulated Trucks	0.0	12.2	0.0	21.7	-	17.4	-	11.1	0.0	20.0	-	11.8	-	19.1	1.9	0.0	-	2.2	0.0	50.0	1.8	16.8	2.2	2.7
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	5	0	-	5	0	0	1	0	1	6
% Bicycles on Road	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.1	0.0	-	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Pedestrians	-	-	-	-	-	3	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	-	403.0	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-

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Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

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Count Name: California Avenue with Access
Drives
Site Code:
Start Date: 10/2-/2019
Page No: 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	West Access Eastbound						East Access Westbound						California Avenue Northbound						California 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	InL Total
4:45 PM	0	7	0	0	0	7	0	0	0	0	2	0	0	0	0	0	0	195	0	0	295	6	1	301	503
5:00 PM	0	2	1	7	1	10	0	0	0	0	0	0	0	0	0	0	0	160	0	0	278	3	0	281	451
5:15 PM	0	4	0	5	0	9	0	1	0	0	0	1	0	3	208	0	0	211	0	0	303	4	0	307	528
5:30 PM	0	3	0	6	0	9	0	0	0	0	0	0	0	4	209	0	0	213	0	0	275	2	0	277	499
Total	0	16	1	18	2	35	0	1	0	0	0	0	0	20	759	0	0	779	0	0	1151	15	1	1168	1981
Approach %	0.0	45.7	2.9	51.4	-	-	0.0	100.0	0.0	0.0	-	-	0.0	2.6	97.4	0.0	-	-	0.0	0.0	98.7	1.3	-	-	-
Total %	0.0	0.8	0.1	0.9	-	1.8	0.0	0.1	0.0	0.0	-	0.1	0.0	1.0	38.3	0.0	-	39.3	0.0	0.0	58.1	0.8	-	58.9	-
PHF	0.000	0.571	0.250	0.643	-	0.875	0.000	0.250	0.000	0.000	-	0.250	0.000	0.625	0.908	0.000	-	0.914	0.000	0.000	0.950	0.625	-	0.950	0.938
Lights	0	7	0	14	-	21	0	0	0	0	-	0	0	0	0	0	0	745	0	0	1122	7	-	1129	1895
% Lights	-	43.8	0.0	77.8	-	60.0	-	0.0	-	-	-	0.0	-	80.0	100.0	-	-	95.6	-	-	97.5	46.7	-	96.8	95.7
% Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	0	7	0	0	6	0	-	6	13
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-	0.0	-	0.0	0.9	-	-	0.9	-	-	0.5	0.0	-	0.5	0.7
Single-Unit Trucks	0	8	1	4	-	13	0	0	0	0	-	1	0	4	15	0	-	19	0	0	14	8	-	22	55
% Single-Unit Trucks	-	50.0	100.0	22.2	-	37.1	-	100.0	-	-	-	100.0	-	20.0	2.0	-	-	2.4	-	-	1.2	53.3	-	1.9	2.8
Articulated Trucks	0	1	0	0	-	1	0	0	0	0	-	0	0	0	7	0	0	7	0	0	9	0	0	9	17
% Articulated Trucks	-	6.3	0.0	0.0	-	2.9	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.9	-	-	0.9	-	-	0.8	0.0	-	0.8	0.9
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	1	0	0	1	0	0	0	0	0	0	1
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	0.1	-	-	0.1	-	0.0	0.1	-	-	0.1	-	-	0.0	0.0	-	0.0	0.1
Pedestrians	-	-	-	-	2	-	-	-	-	100.0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: California Avenue with I-55 Off
Ramp
Site Code:
Start Date: 10/24/2019
Page No: 1

Turning Movement Data

Start Time	I-55 Off Ramp				California Avenue Northbound				California Avenue Southbound				Int. Total		
	U-Turn	Left	Right	Peds	App Total	U-Turn	Left	Thru	Peds	App Total	U-Turn	Thru		Right	Peds
6:00 AM	0	127	62	0	189	0	0	268	0	268	0	34	0	0	34
6:15 AM	0	122	55	0	177	0	0	271	0	271	0	37	0	0	37
6:30 AM	0	119	48	0	167	0	0	306	0	306	0	44	0	0	44
6:45 AM	0	123	59	0	182	0	0	240	0	240	0	42	0	0	42
Hourly Total	0	491	224	0	715	0	0	1085	0	1085	0	157	0	0	157
7:00 AM	0	88	54	0	142	0	0	305	0	305	0	37	0	0	37
7:15 AM	0	105	62	0	167	0	0	305	0	305	0	56	0	0	56
7:30 AM	0	114	55	0	169	0	0	304	0	304	0	53	0	0	53
7:45 AM	0	124	64	0	188	0	0	313	0	313	0	64	0	0	64
Hourly Total	0	431	235	0	666	0	0	1227	0	1227	0	210	0	0	210
8:00 AM	0	142	67	0	209	0	0	276	0	276	0	67	0	0	67
8:15 AM	0	105	64	1	169	0	0	276	0	276	0	40	0	0	40
8:30 AM	0	124	65	0	189	0	0	226	0	226	0	49	0	0	49
8:45 AM	0	110	86	0	196	0	0	204	0	204	0	61	0	0	61
Hourly Total	0	481	282	1	763	0	0	982	0	982	0	217	0	0	217
*** BREAK ***															
3:00 PM	0	93	122	0	215	0	0	232	0	232	0	98	0	0	98
3:15 PM	0	101	139	0	240	0	0	218	0	218	0	100	0	0	100
3:30 PM	0	103	179	0	282	0	0	261	0	261	0	100	0	0	100
3:45 PM	0	100	153	0	253	0	0	257	0	257	0	103	0	0	103
Hourly Total	0	397	593	0	990	0	0	968	0	968	0	401	0	0	401
4:00 PM	0	89	137	0	226	0	0	267	0	267	0	93	0	0	93
4:15 PM	0	77	161	0	238	0	0	260	0	260	0	114	0	0	114
4:30 PM	0	104	157	0	261	0	0	235	0	235	0	103	0	0	103
4:45 PM	0	115	184	0	299	0	0	276	0	276	0	98	0	0	98
Hourly Total	0	487	622	0	1007	0	0	1038	0	1038	0	408	0	0	408
5:00 PM	0	113	152	1	266	0	0	249	0	249	0	90	0	0	90
5:15 PM	0	120	138	0	258	0	0	288	0	288	0	111	0	0	111
5:30 PM	0	114	152	0	266	0	0	257	0	257	0	116	0	0	116
5:45 PM	0	106	147	0	253	0	0	217	0	217	0	106	0	0	106
Hourly Total	0	440	589	1	1029	0	0	1011	0	1011	0	423	0	0	423
Grand Total	0	2625	4545	5	5170	0	0	6311	0	6311	0	1816	0	0	1816
Approach %	0.0	50.8	49.2	0.0	100.0	0.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0
Total %	0.0	19.7	19.1	0.0	38.9	0.0	0.0	47.5	0.0	47.5	0.0	13.7	0.0	0.0	13.7
Lights	0	2115	2273	0	4388	0	0	5860	0	5860	0	1673	0	0	1673
% Lights	-	80.6	89.3	-	84.9	-	-	92.9	-	92.9	-	92.1	-	-	92.1

	0	3	5	8	0	0	34	34	0	34	0	34	70
Buses	-	0.1	0.2	-	-	-	0.5	-	-	-	0	34	34
% Buses	-	0.1	0.2	0.2	-	-	0.5	-	-	-	0	1.9	1.9
Single-Unit Trucks	0	192	145	337	0	0	219	-	-	219	0	80	636
% Single-Unit Trucks	-	7.3	5.7	6.5	-	-	3.5	-	-	3.5	-	4.4	4.8
Articulated Trucks	0	315	122	437	0	0	195	-	-	195	0	24	656
% Articulated Trucks	-	12.0	4.8	8.5	-	-	3.1	-	-	3.1	-	1.3	4.9
Bicycles on Road	0	0	0	0	0	0	3	-	-	3	0	5	9
% Bicycles on Road	-	0.0	0.0	0.0	-	-	0.0	-	-	0.0	-	0.3	0.1
Pedestrians	-	-	-	5	-	-	-	-	-	-	-	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-

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Count Name: California Avenue with I-55 Off
Ramp
Site Code:
Start Date: 10/24/2019
Page No. 3

Turning Movement Peak Hour Data (7:15 AM)

Start Time	I-55 Off Ramp Eastbound				California Avenue Northbound				California Avenue Southbound					
	U-Turn	Left	Right	Peds	U-Turn	Left	Thru	Right	U-Turn	Thru	Right	Peds	App Total	Int Total
7:15 AM	0	105	62	0	0	0	305	0	0	56	0	0	56	528
7:30 AM	0	114	55	0	0	0	304	0	0	53	0	0	53	526
7:45 AM	0	124	64	0	0	0	313	0	0	64	0	0	64	565
8:00 AM	0	142	67	0	0	0	276	0	0	67	0	0	67	552
Total	0	485	248	0	0	0	1198	0	0	240	0	0	240	2171
Approach %	0.0	66.2	33.8	0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	-	-
Total %	0.0	22.3	11.4	0.0	0.0	0.0	55.2	0.0	0.0	11.1	0.0	0.0	11.1	-
PHF	0.000	0.854	0.925	0.000	0.000	0.000	0.867	0.000	0.000	0.896	0.000	0.000	0.809	0.961
Lights	0	376	205	0	0	0	1107	0	0	209	0	0	209	1897
% Lights	-	77.5	82.7	-	-	-	92.4	-	-	87.1	-	-	87.1	87.4
Buses	0	0	3	0	0	0	3	0	0	6	0	0	6	17
% Buses	-	0.0	1.2	-	-	-	0.7	-	-	2.5	-	-	2.5	0.8
Single-Unit Trucks	0	40	20	0	0	0	45	0	0	20	0	0	20	125
% Single-Unit Trucks	-	8.2	8.1	-	-	-	3.8	-	-	8.3	-	-	8.3	5.8
Articulated Trucks	0	89	20	0	0	0	98	0	0	3	0	0	3	130
% Articulated Trucks	-	14.2	8.1	-	-	-	3.2	-	-	1.3	-	-	1.3	6.0
Bicycles on Road	0	0	0	0	0	0	0	0	0	2	0	0	2	2
% Bicycles on Road	-	0.0	0.0	-	-	-	0.0	-	-	0.8	-	-	0.8	0.1
Pedestrians	-	-	-	0	-	-	0	-	-	-	0	0	-	-
% Pedestrians	-	-	-	0	-	-	0	-	-	-	0	0	-	-



Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990

Count Name: California Avenue with I-55 On Ramp
Site Code:
Start Date: 10/2/2019
Page No: 1

Turning Movement Data

Start Time	I-55 On Ramp Eastbound				Access Drive Westbound				California Avenue Northbound				California 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	Int. Total	
6:00 AM	0	0	0	0	0	0	0	1	4	2	0	7	0	225	315	7	0	389	0	524
6:15 AM	0	0	0	0	0	0	0	2	5	4	0	11	0	186	271	5	0	402	0	518
6:30 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	182	228	0	0	399	0	509
6:45 AM	0	0	0	0	0	0	0	1	3	2	0	6	0	150	231	0	0	389	0	495
Hourly Total	0	0	0	0	0	0	0	4	16	8	0	20	0	723	828	0	0	1579	0	2046
7:00 AM	0	1	0	0	0	0	0	1	3	7	0	11	0	174	216	7	0	397	0	584
7:15 AM	0	0	0	0	0	0	0	0	6	3	0	9	0	179	246	10	0	435	0	603
7:30 AM	0	0	0	0	0	0	0	0	5	5	1	10	0	174	270	9	0	453	0	636
7:45 AM	0	0	0	0	0	0	0	2	3	3	0	8	0	172	239	9	0	425	0	571
Hourly Total	0	1	0	0	0	0	0	3	17	18	0	28	0	704	807	35	0	1710	0	2394
8:00 AM	0	0	0	0	0	0	0	1	4	7	0	11	0	189	271	9	0	449	0	629
8:15 AM	0	0	0	0	0	0	0	1	0	7	0	8	0	152	235	11	0	398	0	520
8:30 AM	0	0	0	0	0	0	0	0	0	3	0	3	0	158	234	11	0	403	0	529
8:45 AM	0	0	0	0	0	0	0	0	0	0	4	5	0	113	206	7	0	326	0	453
Hourly Total	0	0	0	0	0	0	0	2	9	17	4	28	0	592	948	38	0	1576	0	2131
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	0	0	0	0	0	0	2	2	0	0	4	0	187	158	1	0	326	0	636
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	152	166	2	0	320	1	608
3:30 PM	0	0	0	0	0	0	0	0	3	2	0	5	0	194	183	2	0	379	0	680
3:45 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	204	159	1	0	364	0	638
Hourly Total	0	0	0	0	0	0	0	2	5	2	0	14	0	717	665	6	0	1389	1	2582
4:00 PM	0	0	0	0	0	0	0	0	0	2	2	3	0	224	147	2	0	373	0	663
4:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	177	156	0	0	333	0	619
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	172	176	0	0	348	0	636
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	174	197	2	0	373	0	680
Hourly Total	0	0	0	0	0	0	0	0	2	2	2	4	0	747	676	4	0	1427	0	2598
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	201	155	1	0	357	0	621
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	216	220	0	0	436	0	751
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	172	211	0	0	383	0	682
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	153	182	0	0	335	0	554
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	742	769	1	0	1511	0	2588
Grand Total	0	1	0	0	0	0	0	13	48	52	11	113	0	4225	4855	112	0	9192	1	14319
Approach %	0.0	50.0	0.0	0.0	0.0	0.0	0.0	11.5	42.5	46.0	0.0	0.0	0.0	46.0	52.8	1.2	0.0	64.2	0.0	35.0
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.8	0.8	0.0	29.5	33.9	0.8	0.0	64.2	0.0	22.6
Lights	0	1	0	0	0	0	0	9	15	20	44	44	0	3678	4474	36	0	8188	1	12843



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Count Name: California Avenue with I-55 On Ramp
Site Code:
Start Date: 10/24/2019
Page No. 4

Turning Movement Peak Hour Data (4:45 PM)

Start Time	I-55 On Ramp Eastbound						Access Drive Westbound						California Avenue Northbound						California 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	0	0	0	0	0	0	0	0	0	0	0	0	174	2,197	2	0	373	0	0	95	212	0	307	660
5:00 PM	0	0	0	0	1	0	0	201	458	1	0	357	0	0	76	187	0	263	0	0	76	187	0	263	621
5:15 PM	0	0	0	0	2	0	0	0	0	0	0	436	0	0	113	202	0	315	0	0	113	202	0	315	751
5:30 PM	0	0	0	0	0	0	0	172	211	0	0	383	0	0	108	171	0	279	0	0	108	171	0	279	662
Total	0	0	0	0	3	0	0	763	783	0	0	1549	0	0	382	772	0	1164	0	0	382	772	0	1164	2714
Approach %	0.0	0.0	0.0	0.0	-	-	0.0	100.0	0.0	0.0	-	-	0.0	0.0	33.7	66.3	-	-	0.0	0.0	33.7	66.3	-	-	-
Total %	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	14.4	26.4	-	-	0.0	0.0	14.4	26.4	-	-	-
PHF	0.000	0.000	0.000	0.000	-	0.000	0.000	0.250	0.000	0.000	-	0.888	0.000	0.000	0.867	0.910	-	0.924	0.000	0.000	0.867	0.910	-	0.924	0.903
Lights	0	0	0	0	-	0	0	1	0	0	1	1451	0	0	377	751	0	1128	0	0	377	751	0	1128	2580
% Lights	-	-	-	-	-	-	-	100.0	-	-	-	93.7	-	-	96.2	97.3	-	96.9	-	-	96.2	97.3	-	96.9	95.1
Buses	0	0	0	0	-	0	0	0	0	0	0	7	0	0	7	0	0	7	0	0	7	0	0	7	14
% Buses	-	-	-	-	-	-	-	0.0	-	-	-	0.5	-	-	18	0.0	-	0.6	-	-	18	0.0	-	0.6	0.5
Single-Unit Trucks	0	0	0	0	-	0	0	32	21	2	-	55	0	0	6	14	-	20	0	0	6	14	-	20	75
% Single-Unit Trucks	-	-	-	-	-	-	-	4.2	2.7	66.7	-	3.6	-	-	15	1.8	-	1.7	-	-	15	1.8	-	1.7	2.8
Articulated Trucks	0	0	0	0	-	0	0	0	0	0	0	32	0	0	0	0	0	7	0	0	0	0	0	7	39
% Articulated Trucks	-	-	-	-	-	-	-	0.0	-	-	-	2.1	-	-	0.0	0.9	-	0.6	-	-	0.0	0.9	-	0.6	1.4
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	0	4	0	0	2	0	-	2	0	0	2	0	-	2	6
% Bicycles on Road	-	-	-	-	-	-	-	0.0	0.5	0.0	-	0.3	-	-	0.5	0.0	-	0.2	-	-	0.5	0.0	-	0.2	0.2
Pedestrians	-	-	-	-	3	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-

DRAFT

Preliminary Site Plan

ZONING USED:
 SUB AREA - LRS
 WASTE RECYCLING AND TRANSFER

WASTE RECYCLING AND TRANSFER

SLAB AREA B - OVAL
 RECYCLING BRICKS, CONCRETE TO CONCRETE AGGREGATES (LIGHTING)
 RECEIPT, STORAGE AND TRANSFER OF FOOD WASTE MATERIALS (INERT
 MATERIALS INCLUDING STONE, BRICK, BLOCK, SAND, AND SOILS)
 RECEIPT, STORAGE, AND TRANSFER OF SOILS
 RECEIPT, STORAGE, AND SHIPPING OF DEICING SALTS (SEASONAL)
 CONTINUING EXISTING BARGE, TERMINAL OPERATIONS INCLUDING LOADING,
 UNLOADING, AND STORAGE OF BULK MATERIALS.

EXISTING CONTAINERS
 TO REMAIN, TIT

EXISTING LRS EMPLOYER
 PARKING (5) SPACES

NEW LANDSCAPE AREA AND
 WROUGHT-IRON FENCE

EXISTING (2) BLDG
 CONCRETE/SLAB
 BUILDING INCLUDING
 EMPLOYER OFFICE
 SHOWS AND OFFICE
 CHANGING ROOMS FOR BOTH LRS
 AND LRS OPERATIONS

EXISTING METAL
 TRUCK SCALE

EXISTING ENCLOSED
 AND FENCED COVERED
 TRANSFORMER

EXISTING OVAL
 EMPLOYEE PARKING
 (5) SPACES

NEW BULK BROKEN
 CONCRETE STORAGE

EXISTING DEEP TUNNEL
 DRY PIT START

FINISHED C.A.G. CONCRETE
 AGGREGATE BIN

EXISTING METAL FENCE
 TO REMAIN - NO WORK

EXISTING METAL SCALE

EXISTING ENCLOSED AND FENCED COVERED TRANSFORMER

EXISTING OVAL EMPLOYEE PARKING (5) SPACES

NEW BULK BROKEN CONCRETE STORAGE

EXISTING DEEP TUNNEL DRY PIT START

FINISHED C.A.G. CONCRETE AGGREGATE BIN

EXISTING METAL FENCE TO REMAIN - NO WORK

EXISTING (2) BLDG CONCRETE/SLAB BUILDING INCLUDING EMPLOYER OFFICE SHOWS AND OFFICE CHANGING ROOMS FOR BOTH LRS AND LRS OPERATIONS

EXISTING METAL TRUCK SCALE

EXISTING ENCLOSED AND FENCED COVERED TRANSFORMER

EXISTING OVAL EMPLOYEE PARKING (5) SPACES

NEW BULK BROKEN CONCRETE STORAGE

EXISTING DEEP TUNNEL DRY PIT START

FINISHED C.A.G. CONCRETE AGGREGATE BIN

EXISTING METAL FENCE TO REMAIN - NO WORK

EXISTING METAL TRUCK SCALE

EXISTING ENCLOSED AND FENCED COVERED TRANSFORMER

EXISTING OVAL EMPLOYEE PARKING (5) SPACES

NEW BULK BROKEN CONCRETE STORAGE

EXISTING DEEP TUNNEL DRY PIT START

FINISHED C.A.G. CONCRETE AGGREGATE BIN

EXISTING METAL FENCE TO REMAIN - NO WORK

EXISTING METAL TRUCK SCALE

EXISTING ENCLOSED AND FENCED COVERED TRANSFORMER

EXISTING OVAL EMPLOYEE PARKING (5) SPACES

NEW BULK BROKEN CONCRETE STORAGE

EXISTING DEEP TUNNEL DRY PIT START

FINISHED C.A.G. CONCRETE AGGREGATE BIN

EXISTING METAL FENCE TO REMAIN - NO WORK

EXISTING METAL TRUCK SCALE

EXISTING ENCLOSED AND FENCED COVERED TRANSFORMER

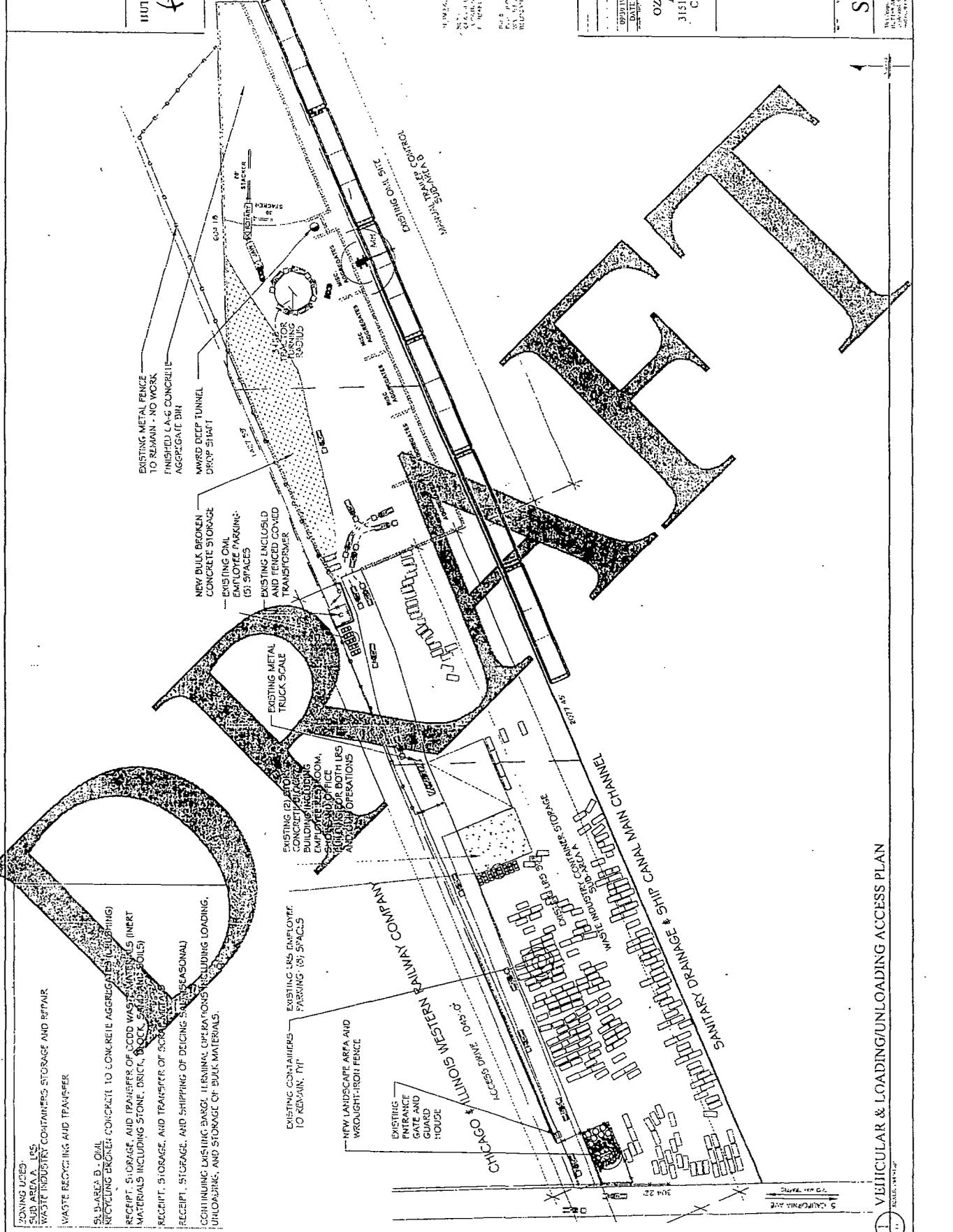
EXISTING OVAL EMPLOYEE PARKING (5) SPACES

NEW BULK BROKEN CONCRETE STORAGE

EXISTING DEEP TUNNEL DRY PIT START

FINISHED C.A.G. CONCRETE AGGREGATE BIN

EXISTING METAL FENCE TO REMAIN - NO WORK



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DATE: 08/24/11
 DRAWN BY: J. H. HARRIS
 CHECKED BY: J. H. HARRIS
 PROJECT NO: 11-0001
 SHEET NO: 10

PROJECT: OZINGA MATERIALS AND LOGISTICS
 3151 S CALIFORNIA AVE
 CHICAGO, ILLINOIS

VEHICULAR & UNLOADING ACCESS PLAN

11
 1

DRAFT

Level of Service Criteria

LEVEL OF SERVICE CRITERIA

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 - 0
Unsignalized Intersections		
Level of Service	Average Total Delay (SEC/VEH)	
A	0 - 10	
B	> 10 - 15	
C	> 15 - 25	
D	> 25 - 35	
E	> 35 - 50	
F	> 50	

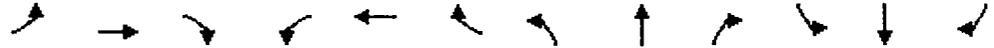
Source: Highway Capacity Manual, 2010.

Capacity Analysis Summary Sheets
Existing Weekday Morning Peak Hour Conditions

DRAFT

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗	↘	↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	52	228	116	124	158	4	156	746	121	7	401	27
Future Volume (vph)	52	228	116	124	158	4	156	746	121	7	401	27
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	50		110	60		80	65		50	60		70
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	110			125			75			125		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					0.98			0.98	1.00		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd Flow (prot)	1641	1776	1392	1641	1727	1292	1719	1810	1335	1805	1743	1509
Flt Permitted	0.655			0.433			0.297			0.249		
Satd Flow (perm)	1130	1776	1392	748	1727	1264	1597	1810	1304	473	1743	1478
Right Turn on Red			Yes			Yes			Yes			Yes
Satd Flow (RTOR)			118			52			43			73
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1247			1007			553			454	
Travel Time (s)		28.3			22.9			12.6			10.3	
Confl. Peds (#/hr)									3		3	
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	10%	7%	16%	10%	0%	25%	5%	5%	21%	0%	9%	7%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	53	233	118	127	161	4	159	761	123	7	409	28
Turn Type	Perm	NA	pm+ov	pm+pl	NA	Perm	pm+pl	NA	pm+ov	Perm	NA	Perm
Protected Phases	4	5	3	8	8	5	2	3	6	6	6	6
Permitted Phases	4	4	8	8	8	2	2	6	6	6	6	6
Detector Phase	4	4	5	3	8	8	5	2	3	6	6	6
Switch Phase												
Minimum Initial (s)	31.0	31.0	15.0	6.0	40.0	40.0	15.0	56.0	6.0	38.0	38.0	38.0
Minimum Split (s)	35.0	35.0	18.0	9.0	44.0	44.0	18.0	61.0	9.0	43.0	43.0	43.0
Total Split (s)	35.0	35.0	18.0	9.0	44.0	44.0	18.0	61.0	9.0	43.0	43.0	43.0
Total Split (%)	33.3%	33.3%	17.1%	8.6%	41.9%	41.9%	17.1%	58.1%	8.6%	41.0%	41.0%	41.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All-Red Time (s)	1.0	1.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	3.0	3.0	4.0	4.0	3.0	5.0	3.0	5.0	5.0	5.0
Lead/Lag	Lag	Lag	Lead	Lead			Lead		Lead	Lag	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes		Yes	Yes	Yes	Yes
Recall Mode	Max											
Act Effct Green (s)	31.0	31.0	50.0	41.0	40.0	40.0	58.0	56.0	64.0	38.0	38.0	38.0
Actuated g/C Ratio	0.30	0.30	0.48	0.39	0.38	0.38	0.55	0.53	0.61	0.36	0.36	0.36

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019

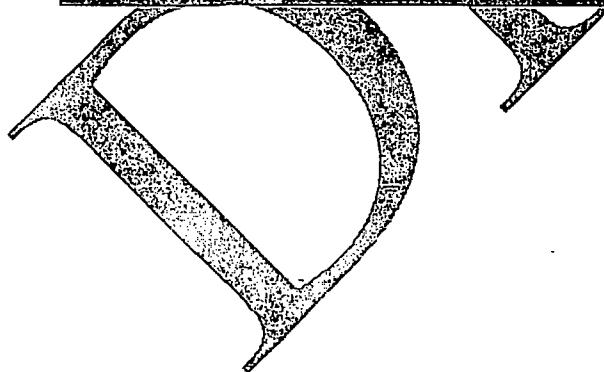


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.16	0.44	0.16	0.37	0.25	0.01	0.34	0.79	0.15	0.04	0.65	0.05
Control Delay	29.1	33.3	3.4	24.8	23.5	0.0	13.8	27.1	5.4	22.9	33.8	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.1	33.3	3.4	24.8	23.5	0.0	13.8	27.1	5.4	22.9	33.8	0.1
LOS	C	C	A	C	C	A	B	C	A	C	C	A
Approach Delay		24.0			23.7			22.5			31.5	
Approach LOS		C			C			C			C	
Queue Length 50th (ft)	26	127	0	55	73	0	50	392	19	3	227	0
Queue Length 95th (ft)	58	200	30	98	123	0	84	564	42	13	335	0
Internal Link Dist (ft)		1167			927			473			374	
Turn Bay Length (ft)	50		110	60		80	65		50	60		70
Base Capacity (vph)	333	524	724	343	657	513	465	965	813	171	630	581
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.16	0.44	0.16	0.37	0.25	0.01	0.34	0.79	0.15	0.04	0.65	0.05

Intersection Summary:
 Area Type: Other
 Cycle Length: 105
 Actuated Cycle Length: 105
 Offset: 0.0% Referenced to phase 2: NBTL and 6: SBTL Start of Green
 Natural Cycle: 105
 Control Type: Pretimed
 Maximum v/c Ratio: 0.79
 Intersection Signal Delay: 24.8
 Intersection LOS: C
 Intersection Capacity Utilization 152.5%
 ICU Level of Service H
 Analysis Period (min): 15

Splits and Phases: 1: California Avenue & 31st Street

Ø2 (R)	Ø3	Ø4
Ø5	Ø6 (R)	Ø8



Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

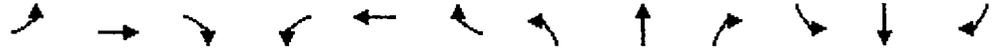
11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↕		↕	↕			↕	↕
Traffic Volume (vph)	0	0	0	3	18	18	699	1026	37	0	237	409
Future Volume (vph)	0	0	0	3	18	18	699	1026	37	0	237	409
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	325		0	0		150
Storage Lanes	0		0	0		0	2		0	0		2
Taper Length (ft)	25			25			25			140		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor								1.00				0.99
Flt					0.937			0.995				0.850
Flt Protected					0.996			0.950				
Satd. Flow (prot)	0	0	0	0	1063	0	3019	3298	0	0	3223	1346
Flt Permitted					0.996			0.950				
Satd. Flow (perm)	0	0	0	0	1063	0	3019	3298	0	0	3223	1328
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					19			18				260
Link Speed (mph)		30			30			30				30
Link Distance (ft)		1161			411			484				371
Travel Time (s)		26.4			9.3			10.9				8.4
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	33%	6%	78%	16%	7%	59%	0%	12%	20%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%				0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	11	0	728	1108	0	0	247	426
Turn Types				Perm	NA		Prot	NA			NA	Perm
Protected Phases					8		5	2				6
Permitted Phases					8							6
Detector Phase					8	8		5	2			6
Switch Phase												
Minimum Initial (s)				6.0	6.0		47.0	71.0			20.0	20.0
Minimum Split (s)				10.0	10.0		51.0	75.0			24.0	24.0
Total Split (s)				10.0	10.0		51.0	75.0			24.0	24.0
Total Split (%)				11.8%	11.8%		60.0%	88.2%			28.2%	28.2%
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	3.0
All-Red Time (s)				1.0	1.0		1.0	1.0			1.0	1.0
Lost Time Adjust (s)					0.0		0.0	0.0			0.0	0.0
Total Lost Time (s)					4.0		4.0	4.0			4.0	4.0
Lead/Lag							Lag				Lead	Lead
Lead/Lag Optimize?							Yes				Yes	Yes
Recall Mode				None	None		Max	C-Max			C-Max	C-Max
Act Effct Green (s)					6.0		47.0	76.6			24.0	24.0
Actuated g/C Ratio					0.07		0.55	0.90			0.28	0.28

Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio					0.45		0.44	0.37			0.27	0.76
Control Delay					40.2		20.6	3.6			26.1	22.3
Queue Delay					0.0		0.0	0.2			0.0	0.0
Total Delay					40.2		20.6	3.8			26.1	22.3
LOS					D		C	A			C	C
Approach Delay					40.2			10.5			23.7	
Approach LOS					D			B			C	
Queue Length 50th (ft)					11		162	450			57	84
Queue Length 95th (ft)					49		200	152			91	252
Internal Link Dist (ft)		1081			331			401			291	
Turn Bay Length (ft)							325					150
Base Capacity (vph)					92		1669	2973			910	561
Starvation Cap Reductn					0		0	10.3			0	0
Spillback Cap Reductn					0		0	0			0	0
Storage Cap Reductn					0		0	0			0	0
Reduced v/c Ratio					0.45		0.44	0.57			0.27	0.76

Intersection Summary

Area Type: Other

Cycle Length: 85

Actuated Cycle Length: 85

Offset: 0 (0%) Referenced to phase 2: NBT and 6: SBT Start of Green

Natural Cycle: 85

Control Type: Actuated Coordinated

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 14.4

Intersection LOS: B

Intersection Capacity Utilization 79.5%

ICU Level of Service D

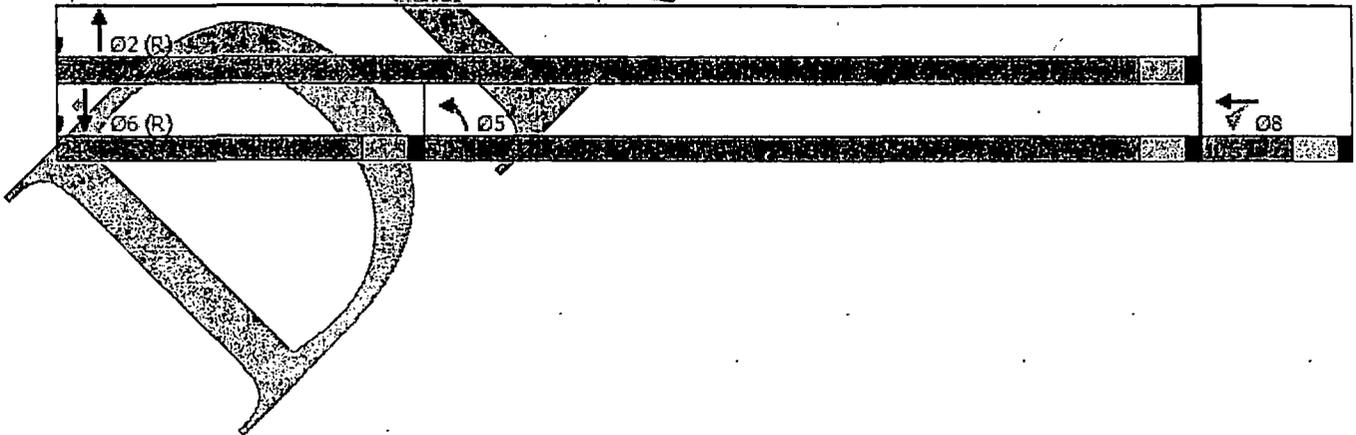
Analysis Period (min): 15

95th percentile volume exceeds capacity, queue may be longer. _____

Queue shown is maximum after two cycles.

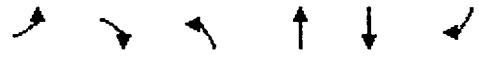
m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: California Avenue & I-55 On Ramp/Access Drive



Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	↖	↗		↕	↕	
Traffic Volume (vph)	485	248	0	1277	240	0
Future Volume (vph)	485	248	0	1277	240	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	0			0
Storage Lanes	1	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor		0.850				
Flt Protected	0.950					
Satd. Flow (prot)	1626	1380	0	3343	3195	0
Flt Permitted	0.950					
Satd. Flow (perm)	1626	1380	0	3343	3195	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		258				
Link Speed (mph)	30			30	30	
Link Distance (ft)	554			333	481	
Travel Time (s)	12.6			7.6	10.9	
Confl. Reds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	1%	17%	0%	8%	3%	0%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Shared Lane Traffic (%)						
Lane Group Flow (vph)	505	258	0	1330	250	0
Turn Type	Prot. custom			NA	NA	
Protected Phases	4	6		1	5	
Permitted Phases						
Detector Phase	4	6		1	5	
Switch Phase						
Minimum Initial (s)	37.0	5.0		40.0	29.0	
Minimum Split (s)	41.0	12.0		44.0	32.0	
Total Split (s)	41.0	12.0		44.0	32.0	
Total Split (%)	48.2%	14.1%		51.8%	37.6%	
Yellow Time (s)	3.0	2.0		3.0	3.0	
All-Red Time (s)	4.0	0.0		1.0	0.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.0	2.0		4.0	3.0	
Lead/Lag		Lag			Lead	
Lead/Lag Optimize?		Yes			Yes	
Recall Mode	Max	Max		Max	Max	
Act. Effect Green (s)	37.0	51.0		40.0	29.0	
Actuated g/C Ratio	0.44	0.60		0.47	0.34	

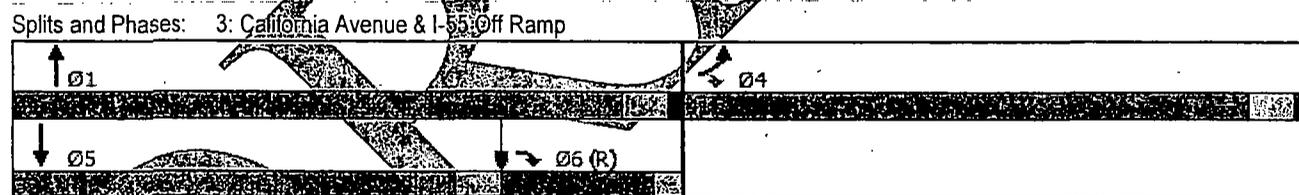
Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
v/c Ratio	0.71	0.28		0.85	0.23	
Control Delay	26.6	1.8		26.2	44.4	
Queue Delay	0:0	0:0		0:0	0:0	
Total Delay	26.6	1.8		26.2	44.4	
LOS	C	A		C	D	
Approach Delay	18.2			26.2	44.4	
Approach LOS	B			C	D	
Queue Length 50th (ft)	214	0		315	77	
Queue Length 95th (ft)	333	28		411	116	
Internal Link Dist (ft)	474			253	401	
Turn Bay Length (ft)						
Base Capacity (vph)	707	931		1573	1090	
Starvation Cap Reductn	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	
Storage Cap Reductn	0	0		0	0	
Reduced v/c Ratio	0.71	0.28		0.85	0.23	

Intersection Summary
 Area Type: Other
 Cycle Length: 85
 Actuated Cycle Length: 85
 Offset: 5 (6%) Referenced to phase 2, and 6: EBR Start of Green
 Natural Cycle: 85
 Control Type: Pre-timed
 Maximum v/c Ratio: 0.85
 Intersection Signal Delay: 25.6
 Intersection LOS: C
 Intersection Capacity Utilization 72.8%
 ICU Level of Service C
 Analysis Period (min): 15



HCM 6th TWSC
 4: California Avenue & Access Drive

11/18/2019

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔			↔			↔			↔		
Traffic Vol, veh/h	6	1	29	3	0	1	27	1016	1	2	614	25
Future Vol, veh/h	6	1	29	3	0	1	27	1016	1	2	614	25
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	1	1	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	None			None			None			None		
Storage Length	-											
Veh in Median Storage, #	0											
Grade, %	-											
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	100	100	90	100	0	100	78	6	100	100	1	88
Mvmt Flow	6	1	30	3	0	1	28	1058	1	2	640	26

Major/Minor	Minor 2	Minor 1	Major 1	Major 2								
Conflicting Flow All	1772	1773	653	1789	1786	1060	666	0	0	1060	0	0
Stage 1	657	657	-	1116	1116	-	-	-	-	-	-	-
Stage 2	1115	1116	-	673	670	-	-	-	-	-	-	-
Critical Hdwy	8.1	7.5	7.1	8.1	6.5	7.2	8.8	-	-	5.1	-	-
Critical Hdwy Stg 1	7.1	6.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	7.1	6.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	4.4	4.9	4.11	4.4	4	4.2	2902	-	-	3.1	-	-
Pot Cap-1 Maneuver	37	48	343	36	82	179	650	-	-	394	-	-
Stage 1	326	339	-	166	285	-	-	-	-	-	-	-
Stage 2	166	190	-	318	459	-	-	-	-	-	-	-
Platoon blocked, %	-											
Mov Cap-1 Maneuver	34	43	343	29	73	179	650	-	-	394	-	-
Mov Cap-2 Maneuver	34	43	-	29	73	-	-	-	-	-	-	-
Stage 1	292	336	-	148	255	-	-	-	-	-	-	-
Stage 2	148	170	-	287	455	-	-	-	-	-	-	-

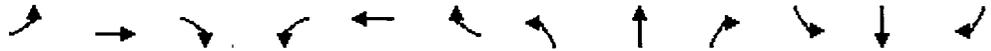
Approach	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
HCM Control Delay, s	44.3	44.3	44.3	44.3	44.3	44.3	0.3	0.3	0.3	0	0	0
HCM LOS	E											
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBL	WBL	WBT	SBL	SBT	SBR	EBL	WBL	WBT
Capacity, Veh/h	650	-	-	127	37	394	-	-	-	650	-	-
HCM Lane V/G Ratio	0.043	-	-	0.295	0.113	0.005	-	-	-	-	-	-
HCM Control Delay (s)	10.8	0	0	44.8	14.3	14.2	0	0	0	0	0	0
HCM Lane LOS	B	A	-	E	F	B	A	-	-	-	-	-
HCM 95th %tile Q(veh)	0.1	-	-	1.1	0.4	0	-	-	-	-	-	-

Capacity Analysis Summary Sheets
Existing Weekday Evening Peak Hour Conditions

DRAFT

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↖	↖	↗	↖	↖	↗	↖	↖	↗	↖
Traffic Volume (vph)	19	190	308	271	315	10	202	490	104	10	603	27
Future Volume (vph)	19	190	308	271	315	10	202	490	104	10	603	27
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	50		110	60		80	65		50	60		70
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	110			125			75			125		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor			0.98	1.00		0.98	1.00		0.97	1.00		0.97
Fit Protected	0.950			0.950			0.950			0.950		
Satd Flow (prot)	1719	1810	1599	1687	1792	1346	1703	1827	1442	1805	1845	1553
Fit Permitted	0.553			0.503			0.098			0.474		
Satd Flow (perm)	1001	1810	1560	890	1792	1318	175	1827	1405	899	1845	1512
Right Turn on Red			Yes			Yes			Yes			Yes
Satd Flow (RTOR)			129			52			52			73
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1247			1007			559			454	
Travel Time (s)		28.3			22.9			12.6			10.3	
Confl. Peds. (#/hr)			3				3		4	4		3
Confl. Bikes (#/hr)									3			2
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
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	5%	5%	4%	7%	6%	20%	5%	4%	12%	0%	3%	4%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	20	196	318	279	325	10	208	505	107	10	622	28
Turn Type	Perm	NA	pm+ov	pm+pl	NA	Perm	pm+pl	NA	pm+ov	Perm	NA	Perm
Protected Phases		4	5	5	8		5	2	3		6	
Permitted Phases	4		4	8		8	2		2	6		6
Detector Phase	4		5	3	8	8	5	2	3	6	6	6
Switch Phase												
Minimum Initial (s)	34.0	34.0	12.0	6.0	43.0	43.0	12.0	53.0	6.0	38.0	38.0	38.0
Minimum Split (s)	38.0	38.0	15.0	9.0	47.0	47.0	15.0	58.0	9.0	43.0	43.0	43.0
Total Split (s)	38.0	38.0	15.0	9.0	47.0	47.0	15.0	58.0	9.0	43.0	43.0	43.0
Total Split (%)	36.2%	36.2%	14.3%	8.6%	44.8%	44.8%	14.3%	55.2%	8.6%	41.0%	41.0%	41.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All-Red Time (s)	1.0	1.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	3.0	3.0	4.0	4.0	3.0	5.0	3.0	5.0	5.0	5.0
Lead/Lag	Lag	Lag	Lead	Lead			Lead		Lead	Lag	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes		Yes	Yes	Yes	Yes
Recall Mode	Max											
Act Effect Green (s)	34.0	34.0	47.0	44.0	43.0	43.0	55.0	53.0	61.0	38.0	38.0	38.0
Actuated g/C Ratio	0.32	0.32	0.45	0.42	0.41	0.41	0.52	0.50	0.58	0.36	0.36	0.36

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019

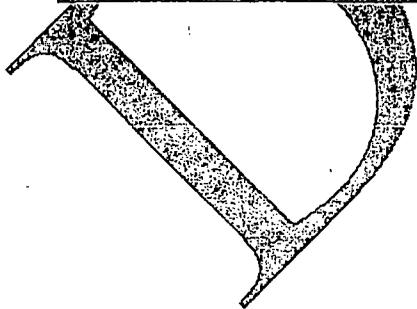
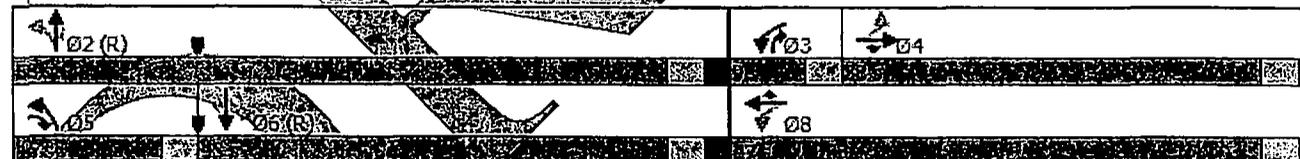


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.06	0.33	0.41	0.67	0.44	0.02	0.78	0.55	0.13	0.03	0.93	0.05
Control Delay	25.4	28.9	11.9	32.0	24.8	0.1	42.4	20.6	5.1	22.2	55.1	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.4	28.9	11.9	32.0	24.8	0.1	42.4	20.6	5.1	22.2	55.1	0.1
LOS	C	C	B	C	C	A	D	C	A	C	E	A
Approach Delay	18.7			27.6			24.1			52.3		
Approach LOS	B			C			C			D		
Queue Length 50th (ft)	9	99	74	128	155	0	84	223	14	4	398	0
Queue Length 95th (ft)	27	161	140	198	233	0	200	322	36	6	621	0
Internal Link Dist (ft)	1167			927			473			374		
Turn Bay Length (ft)	50	110		60	80		65	50		60	70	
Base Capacity (vph)	324	586	774	418	733	570	266	922	840	325	667	593
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.33	0.41	0.67	0.44	0.02	0.78	0.55	0.13	0.03	0.93	0.05

Intersection Summary

Area Type: Other
 Cycle Length: 105
 Actuated Cycle Length: 105
 Offset: 0 (0%); Referenced to phase 2: NBT and 6: SBT; Start of Green
 Natural Cycle: 105
 Control Type: Pre timed
 Maximum v/c Ratio: 0.93
 Intersection Signal Delay: 30.9
 Intersection LOS: C
 Intersection Capacity Utilization: 155.09%
 ICU Level of Service: H
 Analysis Period (min): 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 1: California Avenue & 31st Street



Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

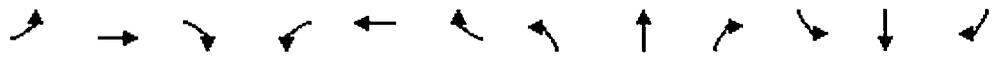
11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↕		↕	↕			↕	↕
Traffic Volume (vph)	0	0	0	1	0	0	763	800	3	0	414	772
Future Volume (vph)	0	0	0	1	0	0	763	800	3	0	414	772
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	325		0	0		150
Storage Lanes	0		0	0		0	2		0	0		1
Taper Length (ft)	25			25			25			140		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor							1.00	1.00				0.98
Frt								0.999				0.850
Flt Protected					0.950		0.950					
Satd. Flow (prot)	0	0	0	0	1805	0	3273	3428	0	0	3471	1568
Flt Permitted					0.950		0.950					
Satd. Flow (perm)	0	0	0	0	1805	0	3265	3428	0	0	3471	1543
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								1.2				229
Link Speed (mph)		30			30			30				30
Link Distance (ft)		161			411			481				371
Travel Time (s)		26.4			9.3			10.9				8.4
Confl. Peds. (#/hr)							3					3
Confl. Bikes (#/hr)									4			2
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	7%	5%	67%	0%	4%	3%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%				0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	1	0	848	892	0	0	460	858
Turn Type					NA		Prot	NA			NA	custom
Protected Phases					8		5	2			6	6
Permitted Phases					8							6
Detector Phase					8	8	5	2			6	6
Switch Phase												
Minimum Initial (s)				6.0	6.0		40.0	71.0			27.0	27.0
Minimum Split (s)				10.0	10.0		44.0	75.0			31.0	31.0
Total Split (s)				10.0	10.0		44.0	75.0			31.0	31.0
Total Split (%)				11.8%	11.8%		51.8%	88.2%			36.5%	36.5%
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	3.0
All-Red Time (s)				1.0	1.0		1.0	1.0			1.0	1.0
Lost Time Adjust (s)				0.0	0.0		0.0	0.0			0.0	0.0
Total Lost Time (s)				4.0	4.0		4.0	4.0			4.0	4.0
Lead/Lag							Lag				Lead	Lead
Lead/Lag Optimize?							Yes				Yes	Yes
Recall Mode				None	None		Max	C-Max			C-Max	C-Max
Act Effct Green (s)					6.0		40.0	82.2			35.0	35.0
Actuated g/C Ratio					0.07		0.47	0.97			0.41	0.41

Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio					0.01		0.55	0.27			0.32	1.10
Control Delay					37.0		15.1	0.4			18.5	84.0
Queue Delay					0.0		0.0	0.0			0.0	0.0
Total Delay					37.0		15.1	0.4			18.5	84.0
LOS					D		B	A			B	F
Approach Delay					37.0			7.5			61.2	
Approach LOS					D			A			E	
Queue Length 50th (ft)					1		177	0			81	-434
Queue Length 95th (ft)					6		214	22			143	4738
Internal Link Dist (ft)		1081			331			401			291	
Turn Bay Length (ft)							325					150
Base Capacity (vph)					127		1540	3315			1428	780
Starvation Cap Reductn					0		0	0			0	0
Spillback Cap Reductn					0		0	0			0	0
Storage Cap Reductn					0		0	0			0	0
Reduced v/c Ratio					0.01		0.55	0.27			0.32	1.10

Intersection Summary

Area Type: Other

Cycle Length: 85

Actuated Cycle Length: 85

Offset: 0 (0%) Referenced to phase 2: NBT and 6: SBT, Start of Green

Natural Cycle: 105

Control Type: Actuated, Coordinated

Maximum v/c Ratio: 1.10

Intersection Signal Delay: 30.7

Intersection LOS: C

Intersection Capacity Utilization 96.5%

ICU Level of Service F

Analysis Period (min): 15

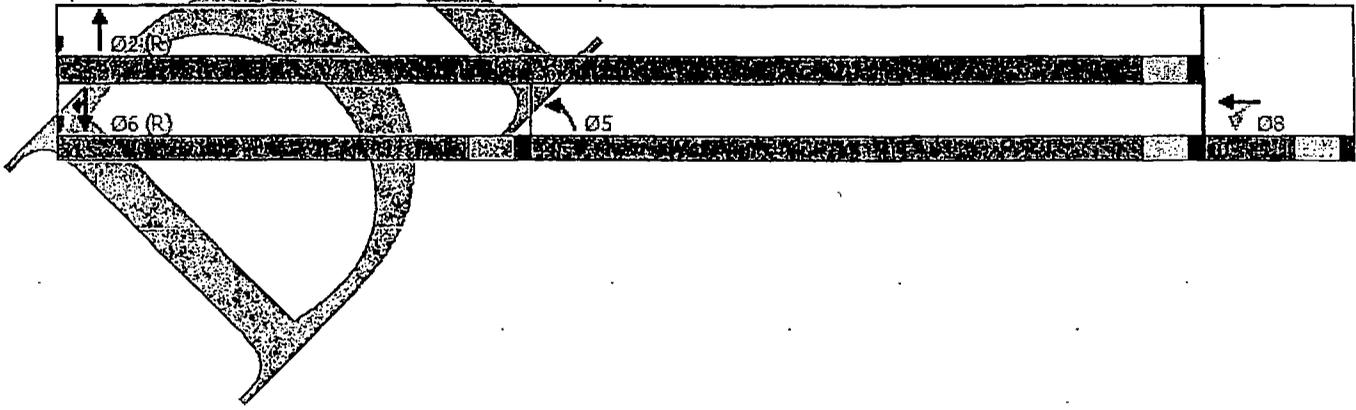
- Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 2: California Avenue & I-55 On Ramp/Access Drive



Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	↖	↗		↑↑	↑↑	
Traffic Volume (vph)	449	606	0	1117	415	0
Future Volume (vph)	449	606	0	1117	415	0
Ideal Flow (vph/pl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	0			0
Storage Lanes	1	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor						
Frt		0.850				
Flt Protected	0.950					
Satd. Flow (prot)	1641	1538	0	3471	3505	0
Flt Permitted	0.950					
Satd. Flow (perm)	1641	1538	0	3471	3505	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		271				
Link Speed (mph)	30			30	30	
Link Distance (ft)	554			333	481	
Travel Time (s)	12.6			7.6	10.9	
Confl. Reds. (#/hr)			2			
Confl. Bikes (#/hr)						
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	10%	5%	0%	4%	3%	0%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Shared Lane Traffic (%)						
Lane Group Flow (vph)	473	638	0	1176	437	0
Turn Type	Prot	custom		NA	NA	
Protected Phases	4	6			5	
Permitted Phases						
Detector Phase	4	6		1	5	
Switch Phase						
Minimum Initial (s)	3.0	5.0		46.0	35.0	
Minimum Split (s)	3.5	12.0		50.0	38.0	
Total Split (s)	35.0	12.0		50.0	38.0	
Total Split (%)	41.2%	14.1%		58.8%	44.7%	
Yellow Time (s)	3.0	2.0		3.0	3.0	
All-Red Time (s)	0.0	0.0		1.0	0.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.0	2.0		4.0	3.0	
Lead/Lag		Lag			Lead	
Lead-Lag Optimize?		Yes			Yes	
Recall Mode	Max	Max		Max	Max	
Act Effct Green (s)	31.0	45.0		46.0	35.0	
Actuated g/C Ratio	0.36	0.53		0.54	0.41	

Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019

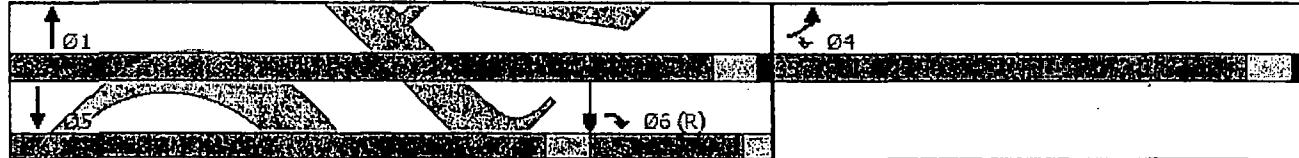


Lane Group	EBL	EBR	NBL	NBR	SBT	SBR
v/c Ratio	0.79	0.68	0.63	0.30		
Control Delay	35.7	12.2	15.4	7.2		
Queue Delay	0:0	0:0	0:0	0:0		
Total Delay	35.7	12.2	15.4	7.2		
LOS	D	B	B	A		
Approach Delay	22.2		15.4	7.2		
Approach LOS	C		B	A		
Queue Length 50th (ft)	222	129	214	98		
Queue Length 95th (ft)	378	251	279	70		
Internal Link Dist (ft)	474		253	401		
Turn Bay Length (ft)						
Base Capacity (vph)	598	941	1878	1443		
Starvation Cap Reductn	0	0	0	0		
Spillback Cap Reductn	0	0	0	0		
Storage Cap Reductn	0	0	0	0		
Reduced v/c Ratio	0.79	0.68	0.63	0.30		

Intersection Summary

Area Type: Other
 Cycle Length: 85
 Actuated Cycle Length: 85
 Offset: 51 (60%) Referenced to phase 2 and 6: EBR Start of Green
 Natural Cycle: 85
 Control Type: Pretimed
 Maximum v/c Ratio: 0.79
 Intersection Signal Delay: 16.9
 Intersection LOS: B
 Intersection Capacity Utilization 75.9%
 ICU Level of Service D
 Analysis Period (min): 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: California Avenue & I-55 Off Ramp



HCM 6th TWSC
 4: California Avenue & Access Drive

11/18/2019

Intersection: _____
 Int Delay, s/veh 4.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↕			↕			↕			↕		
Traffic Vol, veh/h	16	1	18	1	0	0	20	780	0	0	1167	15
Future Vol, veh/h	16	1	18	1	0	0	20	780	0	0	1167	15
Conflicting Peds, #/hr	1	0	0	0	0	1	2	0	5	5	0	2
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized			None			None			None			None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	56	0	22	100	0	0	20	4	0	0	2	53
Mvmt Flow	17	1	19	13	0	0	21	830	0	0	1241	16

Major/Minor	Minor 2	Minor 1	Major 1	Major 2
Conflicting Flow All	2124	2128	1251	2136
Stage 1	1251	1251	877	877
Stage 2	873	877	-	1259
Critical Hdwy	7.66	6.5	6.42	8.1
Critical Hdwy Stg 1	6.66	5.5	-	7.1
Critical Hdwy Stg 2	6.66	5.5	-	7.1
Follow-up Hdwy	4.004	4	3.498	4.4
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	26	50	191	19
Stage 1	165	246	-	237
Stage 2	279	369	-	369
Mov Cap-2 Maneuver	24	46	-	16
Stage 1	152	246	-	217
Stage 2	257	338	-	201

Approach: _____
 HCM Control Delay, s: 223.1
 HCM LOS: F

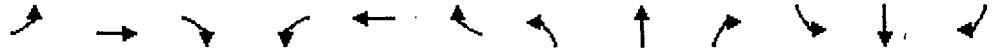
Minor Lane / Major Mvmt	NBL	NBT	NBR	EBL	WBL	SBL	SBT	SBR
Capacity (veh/h)	494	-	-	45	16	803	-	-
HCM Lane V/C Ratio	0.043	-	-	0.827	0.066	-	-	-
HCM Control Delay (s)	12.6	0	-	223.1	245.5	0	-	-
HCM Lane LOS	B	A	-	F	F	A	-	-
HCM 95th %tile Q (veh)	24	0	-	3.3	0.2	0	-	-

Capacity Analysis Summary Sheets
Total Projected Weekday Morning Peak Hour Conditions

DRAFT

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗	↘	↖	↗	↘	↖	↗	↘
Traffic Volume (vph)	54	235	119	129	163	4	161	769	126	7	414	28
Future Volume (vph)	54	235	119	129	163	4	161	769	126	7	414	28
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	50		110	60		80	65		50	60		70
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	110			125			75			125		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					0.98			0.98	1.00		0.98
Flt %			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1641	1776	1392	1641	1727	1292	1719	1810	1335	1805	1743	1509
Flt Permitted	0.652			0.423			0.283			0.224		
Satd. Flow (perm)	1125	1776	1392	731	1727	1264	1512	1810	1304	425	1743	1478
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			121			52			43			73
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1247			1007			553			454	
Travel Time (s)		28.3			22.9			12.6			10.3	
Confl. Peds. (#/hr)									3		3	
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	10%	7%	16%	10%	13%	25%	5%	35%	21%	10%	9%	7%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block-Traffic (%)		0%			0%			0%				0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	55	240	121	132	166	4	164	785	129	7	422	29
Turn Type	Perm	NA	pm+ov	pm+ov	NA	Perm	pm+pt	NA	pm+ov	Perm	NA	Perm
Protected Phases	4	5	3	8			5	2	3		6	
Permitted Phases	4	4	8		8	2		2	6		6	6
Detector Phase	4	5	3	8	8	5	2	3	6	6	6	6
Switch Phase												
Minimum Initial (s)	31.0	31.0	15.0	6.0	40.0	40.0	15.0	56.0	6.0	38.0	38.0	38.0
Minimum Split (s)	35.0	35.0	18.0	9.0	44.0	44.0	18.0	61.0	9.0	43.0	43.0	43.0
Total Split (s)	35.0	35.0	18.0	9.0	44.0	44.0	18.0	61.0	9.0	43.0	43.0	43.0
Total Split (%)	33.8%	33.5%	17.1%	8.6%	41.9%	41.9%	17.1%	58.1%	8.6%	41.0%	41.0%	41.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All-Red Time (s)	1.0	1.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	3.0	3.0	4.0	4.0	3.0	5.0	3.0	5.0	5.0	5.0
Lead/Lag	Lag	Lag	Lead	Lead			Lead	Lead	Lag	Lag	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	Max											
Act Effect Green (s)	31.0	31.0	50.0	41.0	40.0	40.0	58.0	56.0	64.0	38.0	38.0	38.0
Actuated g/C Ratio	0.30	0.30	0.48	0.39	0.38	0.38	0.55	0.53	0.61	0.36	0.36	0.36

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.17	0.46	0.17	0.39	0.25	0.01	0.36	0.81	0.16	0.05	0.67	0.05
Control Delay	29.2	33.6	3.4	25.3	23.6	0.0	14.0	28.6	5.5	23.0	34.5	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.2	33.6	3.4	25.3	23.6	0.0	14.0	28.6	5.5	23.0	34.5	0.2
LOS	C	C	A	C	C	A	B	C	A	C	C	A
Approach Delay	24.2			24.0			23.7			32.2		
Approach LOS	C			C			C			C		
Queue Length 50th (ft)	27	131	0	58	75	0	52	414	20	3	236	0
Queue Length 95th (ft)	59	206	30	102	126	0	86	598	44	13	348	0
Internal Link Dist (ft)	1167			927			473			374		
Turn Bay Length (ft)	50	140	60	80	65	50	60	70	332	524	726	337
Base Capacity (vph)	332	524	726	337	657	513	455	965	813	153	630	581
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.17	0.46	0.17	0.39	0.25	0.01	0.36	0.81	0.16	0.05	0.67	0.05

Intersection Summary:

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 0(0%) Referenced to phase 2: NBT and 6: SBT, Start of Green

Natural Cycle: 105

Control Type: Pretimed

Maximum v/c Ratio: 0.81

Intersection Signal Delay: 25.5

Intersection LOS: C

Intersection Capacity Utilization 152.5%

ICU Level of Service H

Analysis Period (min): 15

Splits and Phases: 1: California Avenue & 31st Street

Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

11/18/2019



Phase/Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↕		↕	↕			↕	↕
Traffic Volume (vph)	0	0	0	3	19	19	720	1065	38	0	247	426
Future Volume (vph)	0	0	0	3	19	19	720	1065	38	0	247	426
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	325		0	0		150
Storage Lanes	0		0	0		0	2		0	0		2
Taper Length (ft)	25			25			25			140		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor								1.00				0.99
Frt					0.937			0.995				0.850
Flt Protected					0.997			0.950				
Satd. Flow (prot)	0	0	0	0	1063	0	3019	3299	0	0	3223	1346
Flt Permitted					0.997		0.950					
Satd. Flow (perm)	0	0	0	0	1063	0	3019	3299	0	0	3223	1328
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					20			18				249
Link Speed (mph)		30			30			30				30
Link Distance (ft)		1161			411			481				371
Travel Time (s)		26.4			9.3			10.9				8.4
Confl. Peds. (#/hr)										1		1
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	33%	61%	78%	16%	7%	59%	0%	12%	20%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%				0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	3	0	750	1149	0	0	257	444
Turn Type				Perm	NA		Prot	NA			NA	Perm
Protected Phases					8		5	2				6
Permitted Phases					8							6
Detector Phase					8		5	2				6
Switch Phase												
Minimum Initial (s)					6.0		47.0	71.0				20.0
Minimum Split (s)					10.0		51.0	75.0				24.0
Total Split (s)					10.0		51.0	75.0				24.0
Total Split (%)					11.8%		60.0%	88.2%				28.2%
Yellow Time (s)					3.0		3.0	3.0				3.0
All-Red Time (s)					1.0		1.0	1.0				1.0
Lost Time Adjust (s)					0.0		0.0	0.0				0.0
Total Lost Time (s)					4.0		4.0	4.0				4.0
Lead/Lag							Lag				Lead	Lead
Lead-Lag Optimize?							Yes				Yes	Yes
Recall Mode				None	None		Max	C-Max			C-Max	C-Max
Act Effct Green (s)					6.0		47.0	76.6			24.0	24.0
Actuated g/C Ratio					0.07		0.55	0.90			0.28	0.28

Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio					0.46		0.45	0.39			0.28	0.80
Control Delay					41.2		20.6	3.6			26.2	26.6
Queue Delay					0.0		0.0	0.3			0.0	0.0
Total Delay					41.2		20.6	3.8			26.2	26.6
LOS					D		C	A			C	C
Approach Delay					41.2			10.4			26.5	
Approach LOS					D			B			C	
Queue Length 50th (ft)					12		168	451			60	105
Queue Length 95th (ft)					#51		m201	m156			94	#286
Internal Link Dist (ft)		1081			331			401			291	
Turn Bay Length (ft)							325					150
Base Capacity (vph)					93		1669	2974			910	1553
Starvation Cap Reductn					0		0	10.3			0	0
Spillback Cap Reductn					0		0	0			0	0
Storage Cap Reductn					0		0	0			0	0
Reduced v/c Ratio					0.46		0.45	0.59			0.28	0.80

Intersection Summary

Area Type: Other

Cycle Length: 85

Actuated Cycle Length: 85

Offset: 0 (0%) Referenced to phase 2: NBT and 6: SBT, Start of Green

Natural Cycle: 85

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.80

Intersection Signal Delay: 15.2

Intersection LOS: B

Intersection Capacity Utilization 80.5%

ICU Level of Service D

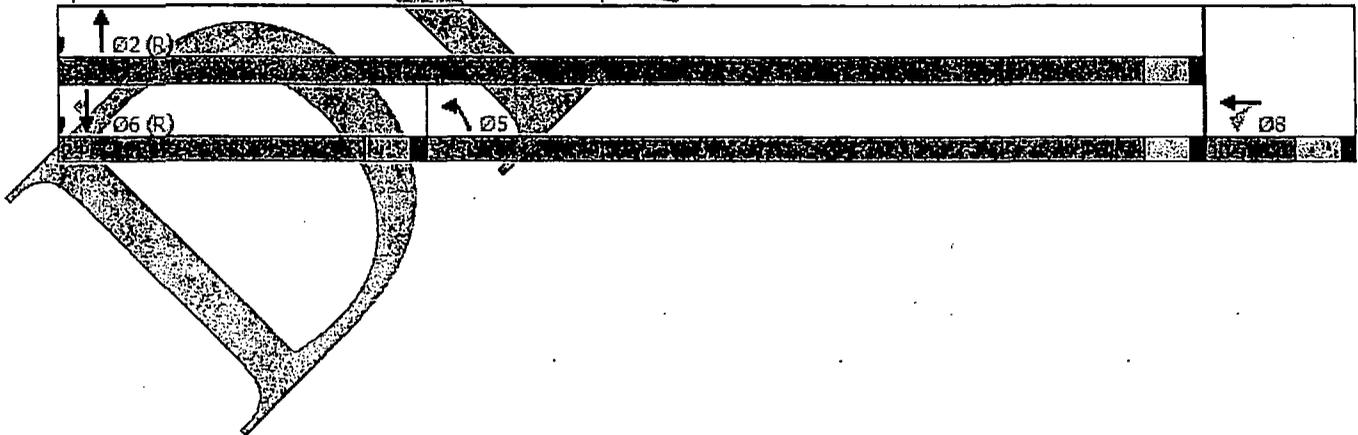
Analysis Period (min): 15

95th percentile volume exceeds capacity, queue may be longer.

* Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: California Avenue & I-55 On Ramp/Access Drive



Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	↘	↗		↑↑	↑↑	
Traffic Volume (vph)	505	255	0	1318	250	0
Future Volume (vph)	505	255	0	1318	250	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	0			0
Storage Lanes	1	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor						
Frt		0.850				
Flt Protected	0.950					
Satd. Flow (prot)	1626	1380	0	3343	3195	0
Flt Permitted	0.950					
Satd. Flow (perm)	1626	1380	0	3343	3195	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		266				
Link Speed (mph)	30			30	30	
Link Distance (ft)	554			393	481	
Travel Time (s)	12.6			7.6	10.9	
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	11%	17%	0%	8%	13%	0%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Shared Lane Traffic (%)						
Lane Group Flow (vph)	526	266	0	1373	260	0
Turn Type	Prot, custom			NA	NA	
Protected Phases	4	6		1	5	
Permitted Phases						
Detector Phase	4	6		1	5	
Switch Phase						
Minimum Initial (s)	37.0	5.0		40.0	29.0	
Minimum Split (s)	11.0	12.0		44.0	32.0	
Total Split (s)	41.0	12.0		44.0	32.0	
Total Split (%)	48.2%	14.1%		51.8%	37.6%	
Yellow Time (s)	3.0	2.0		3.0	3.0	
All-Red Time (s)	1.0	0.0		1.0	0.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.0	2.0		4.0	3.0	
Lead/Lag		Lag			Lead	
Lead-Lag Optimize?		Yes			Yes	
Recall Mode	Max	Max		Max	Max	
Act Effct Green (s)	37.0	51.0		40.0	29.0	
Actuated g/C Ratio	0.44	0.60		0.47	0.34	

Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
v/c Ratio	0.74	0.28		0.87	0.24	
Control Delay	28.0	1.9		28.0	44.6	
Queue Delay	0.0	0.0		0.0	0.0	
Total Delay	28.0	1.9		28.0	44.6	
LOS	C	A		C	D	
Approach Delay	19.2			28.0	44.6	
Approach LOS	B			C	D	
Queue Length 50th (ft)	227	0		332	80	
Queue Length 95th (ft)	355	28		444	121	
Internal Link Dist (ft)	474			253	401	
Turn Bay Length (ft)						
Base Capacity (vph)	707	934		1573	1090	
Starvation Cap Reductn	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	
Storage Cap Reductn	0	0		0	0	
Reduced v/c Ratio	0.74	0.28		0.87	0.24	

Intersection Summary

Area Type: Other

Cycle Length: 85

Actuated Cycle Length: 85

Offset: 5.6% Referenced to phase 2 and 6 EBR Start of Green

Natural Cycle: 85

Control Type: Pre-timed

Maximum v/c Ratio: 0.87

Intersection Signal Delay: 26.9

Intersection LOS: C

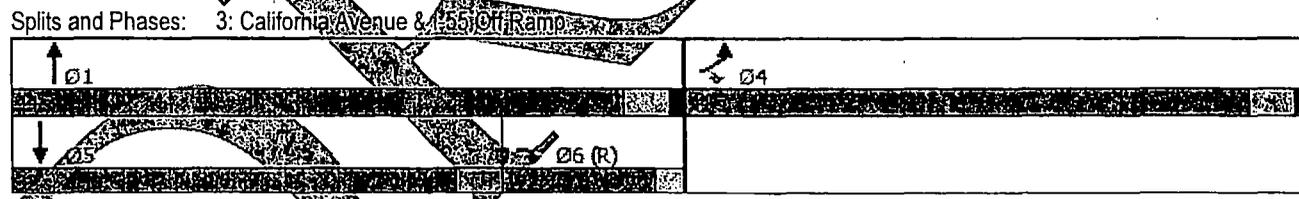
Intersection Capacity Utilization 73.9%

ICU Level of Service D

Analysis Period (min): 15

95th percentile volume exceeds capacity, queue may be longer.

* Queue shown is maximum after two cycles.



Intersection:												
Int Delay, s/veh	2.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↕		↕		↕		↕		↕		↕	
Traffic Vol, veh/h	6	1	30	11	0	3	28	1047	9	4	632	26
Future Vol, veh/h	6	1	30	11	0	3	28	1047	9	4	632	26
Conflicting Peds. #/hr	0	0	0	0	0	0	0	0	1	1	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	None											
Storage Length	-											
Veh. in Median Storage #	0											
Grade, %	0											
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	100	100	90	100	0	100	78	6	100	100		88
Mvmt Flow	6	1	31	11	0	3	29	1091	9	4	658	27

Major/Minor	Minor 1	Minor 2	Minor 1	Minor 2	Major 1	Major 2
Conflicting Flow All	1835	1839	672	1851	1848	1097
Stage 1	680	680	-	1155	1155	-
Stage 2	1155	1159	-	696	693	-
Critical Hdwy	8.1	7.5	7.1	8.1	6.5	7.2
Critical Hdwy Stg 1	7.1	6.5	-	7.1	5.5	-
Critical Hdwy Stg 2	7.1	6.5	-	7.1	5.5	-
Follow-up Hdwy	4.4	4.9	4.11	4.4	4	4.2
Pot Cap-1 Maneuver	33	43	333	32	75	169
Stage 1	315	330	-	157	274	-
Stage 2	157	180	-	308	448	-
Platoon blocked, %	-					
Mov Cap-1 Maneuver	29	37	333	26	65	169
Mov Cap-2 Maneuver	29	37	-	26	65	-
Stage 1	278	322	-	138	242	-
Stage 2	136	159	-	273	440	-

Approach	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
HCM Control Delay, s	3.9	3.9	3.9	3.9	3.9	3.9	0.3	0.3	0.3	0.1	0.1	0.1
HCM LOS	F	F	F	F	F	F	A	A	A	A	A	A

Minor Lane / Major Mvmt	NBL	NBT	NBR	EBL	EBT	EBR	SBL	SBT	SBR
Capacity (veh/h)	638			114	32	378			
HCM Lane V/C Ratio	0.046	-	-	0.338	0.456	0.011	-	-	-
HCM Control Delay (s)	10.9	0	0	51.9	190.1	14.6	0	0	0
HCM Lane LOS	B	A	-	F	F	B	A	-	-
HCM 95th %tile Q (veh)	14	0	0	13	15	0			

Capacity Analysis Summary Sheets
Total Projected Weekday Evening Peak Hour Conditions

DRAFT

Lanes, Volumes, Timings
1: California Avenue & 31st Street

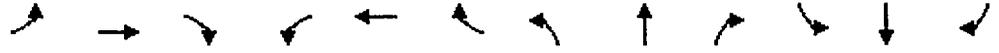
11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	←	↑	→	←	↑	→	←	↑	→	←	↑	→
Traffic Volume (vph)	20	196	317	280	324	10	208	506	108	10	622	28
Future Volume (vph)	20	196	317	280	324	10	208	506	108	10	622	28
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	50		110	60		80	65		50	60		70
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	110			125			75			125		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor			0.98	1.00		0.98	1.00		0.97	1.00		0.97
Flt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1719	1810	1599	1687	1792	1346	1703	1827	1442	1805	1845	1553
Flt Permitted	0.541			0.495			0.098			0.455		
Satd. Flow (perm)	979	1810	1560	876	1792	1318	175	1827	1405	863	1845	1512
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			120			52			52			73
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1247			1007			553			454	
Travel Time (s)		28.3			22.9			12.6			10.3	
Confl. Peds (#/hr)			3	3			3		4	4		3
Confl. Bikes (#/hr)									3			2
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
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	5%	5%	1%	7%	6%	20%	6%	4%	12%	0%	3%	4%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	21	202	327	289	334	10	214	522	111	10	641	29
Turn Type	Perm	NA	pm+ov	pm+pt	NA	Perm	pm+pt	NA	pm+ov	Perm	NA	Perm
Protected Phases	4	5	3	8	5	2	3	6				
Permitted Phases	4	4	8	8	2	2	6	6				
Detector Phase	4	5	3	8	8	5	2	3	6	6	6	6
Switch Phase												
Minimum Initial (s)	34.0	34.0	12.0	6.0	43.0	43.0	12.0	53.0	6.0	38.0	38.0	38.0
Minimum Split (s)	38.0	38.0	15.0	9.0	47.0	47.0	15.0	58.0	9.0	43.0	43.0	43.0
Total Split (s)	38.0	38.0	15.0	9.0	47.0	47.0	15.0	58.0	9.0	43.0	43.0	43.0
Total Split (%)	36.2%	36.2%	14.3%	8.6%	44.8%	44.8%	14.3%	55.2%	8.6%	41.0%	41.0%	41.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
All-Red Time (s)	1.0	1.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	3.0	3.0	4.0	4.0	3.0	5.0	3.0	5.0	5.0	5.0
Lead/Lag	Lag	Lag	Lead	Lead			Lead		Lead	Lag	Lag	Lag
Lead/Lag Optimize?	Yes	Yes	Yes	Yes			Yes		Yes	Yes	Yes	Yes
Recall Mode	Max											
Act Effect Green (s)	34.0	34.0	47.0	44.0	43.0	43.0	55.0	53.0	61.0	38.0	38.0	38.0
Actuated g/C Ratio	0.32	0.32	0.45	0.42	0.41	0.41	0.52	0.50	0.58	0.36	0.36	0.36

Lanes, Volumes, Timings
 1: California Avenue & 31st Street

11/18/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.07	0.34	0.43	0.70	0.46	0.02	0.80	0.57	0.13	0.03	0.96	0.05
Control Delay	25.4	29.1	12.8	33.8	25.0	0.1	45.1	21.1	5.3	22.2	60.4	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.4	29.1	12.8	33.8	25.0	0.1	45.1	21.1	5.3	22.2	60.4	0.1
LOS	C	C	B	C	C	A	D	C	A	C	E	A
Approach Delay		19.3			28.6			25.1			57.3	
Approach LOS		B			C			C			E	
Queue Length 50th (ft)	10	103	82	133	160	0	88	234	15	4	416	0
Queue Length 95th (ft)	28	166	150	206	240	0	211	337	37	16	650	0
Internal Link Dist (ft)		1167			927			473			374	
Turn Bay Length (ft)	50		110	60		80	65		50	60		70
Base Capacity (vph)	317	586	769	413	733	570	266	922	840	312	667	593
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.34	0.43	0.70	0.46	0.02	0.80	0.57	0.13	0.03	0.96	0.05

Intersection Summary

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 0(0%) Referenced to phase 2: NBT and 6: SBT. Start of Green

Natural Cycle: 105

Control Type: Pretimed

Maximum v/c Ratio: 0.96

Intersection Signal Delay: 32.8

Intersection LOS: C

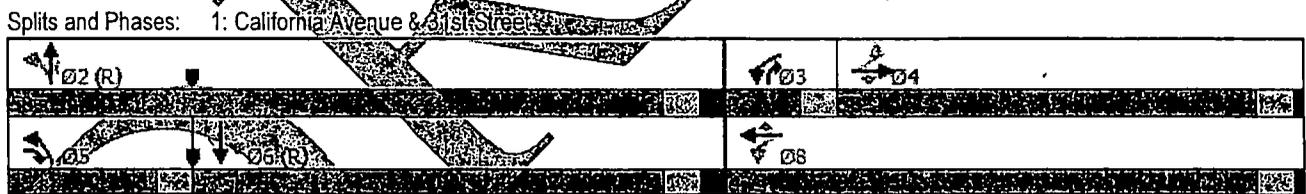
Intersection Capacity Utilization 155.0%

ICU Level of Service H

Analysis Period (min): 15

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles





Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↔		↑↑	↑↑			↑↑	↑
Traffic Volume (vph)	0	0	0	1	0	0	786	833	3	0	429	800
Future Volume (vph)	0	0	0	1	0	0	786	833	3	0	429	800
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0	0	0	0	0	0	325	0	0	0	0	150
Storage Lanes	0	0	0	0	0	0	2	0	0	0	0	1
Taper Length (ft)	25			25			25			140		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor							1.00	1.00				0.98
Flt Protected					0.950		0.950					0.850
Satd Flow (prot)	0	0	0	0	1805	0	3273	3431	0	0	3471	1568
Flt Permitted					0.950		0.950					
Satd Flow (perm)	0	0	0	0	1805	0	3265	3431	0	0	3471	1543
Right Turn on Red			Yes			Yes			Yes			Yes
Satd Flow (RTOR)								2				223
Link Speed (mph)		30			30		30				30	
Link Distance (ft)		1161			411		481				371	
Travel Time (s)		26.4			19.3		10.9				8.4	
Confl. Peds. (#/hr)							3					3
Confl. Bikes (#/hr)									4			2
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	7%	5%	67%	0%	4%	3%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%				0%		0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	1	0	873	929	0	0	477	889
Turn Type				Permit	NA		Prot	NA			NA	custom
Protected Phases					8		5	2			6	6
Permitted Phases					8		5	2			6	6
Detector Phase					8	8	5	2			6	6
Switch Phase												
Minimum Initial (s)				6.0	6.0		40.0	71.0			27.0	27.0
Minimum Split (s)				10.0	10.0		44.0	75.0			31.0	31.0
Total Split (s)				10.0	10.0		44.0	75.0			31.0	31.0
Total Split (%)				11.8%	11.8%		51.8%	88.2%			36.5%	36.5%
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	3.0
All-Red Time (s)				1.0	1.0		1.0	1.0			1.0	1.0
Lost Time Adjust. (s)					0.0		0.0	0.0			0.0	0.0
Total Lost Time (s)					4.0		4.0	4.0			4.0	4.0
Lead/Lag							Lag				Lead	Lead
Lead-Lag Optimize?							Yes				Yes	Yes
Recall Mode				None	None		Max	C-Max			C-Max	C-Max
Act/Effect Green (s)					6.0		40.0	82.2			35.0	35.0
Actuated g/C Ratio					0.07		0.47	0.97			0.41	0.41

Lanes, Volumes, Timings
 2: California Avenue & I-55 On Ramp/Access Drive

11/18/2019

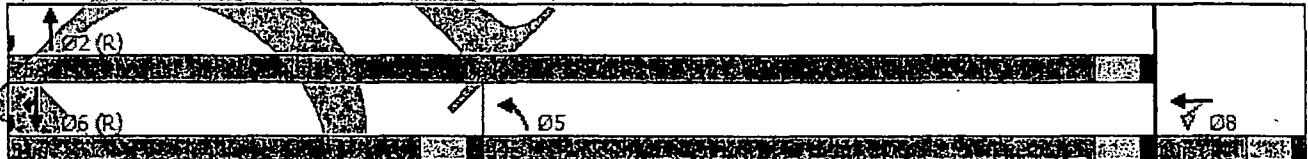


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio					0.01		0.57	0.28			0.33	1.15
Control Delay					37.0		15.2	0.4			18.6	101.2
Queue Delay					0.0		0.0	0.0			0.0	0.0
Total Delay					37.0		15.2	0.4			18.6	101.2
LOS					D		B	A			B	F
Approach Delay					37.0			7.5			72.3	
Approach LOS					D			A			E	
Queue Length 50th (ft)					1		181	40			85	-474
Queue Length 95th (ft)					6		m217	29			149	#780
Internal Link Dist (ft)		1081			331			401			3291	
Turn Bay Length (ft)							325					150
Base Capacity (vph)					127		1540	3318			1428	776
Starvation Cap Reductn					0		0	0			0	0
Spillback Cap Reductn					0		0	0			0	0
Storage Cap Reductn					0		0	0			0	0
Reduced v/c Ratio					0.01		0.57	0.28			0.33	1.15

Intersection Summary

Area Type: Other
 Cycle Length: 85
 Actuated Cycle Length: 85
 Offset: 0.0(0%) Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 115
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.15
 Intersection Signal Delay: 35.5
 Intersection LOS: D
 Intersection Capacity Utilization 98.2%
 ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases 2: California Avenue & I-55 On Ramp/Access Drive



Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	↘	↗		↑↑	↑↑	
Traffic Volume (vph)	467	624	0	1155	430	0
Future Volume (vph)	467	624	0	1155	430	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	0			0
Storage Lanes	1	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor		0.850				
Flt Protected	0.950					
Satd Flow (prot)	1641	1538	0	3471	3505	0
Flt Permitted	0.950					
Satd Flow (perm)	1641	1538	0	3471	3505	0
Right Turn on Red		Yes				Yes
Satd Flow (RTOR)		257				
Link Speed (mph)	30			30	30	
Link Distance (ft)	554			333	481	
Travel Time (s)	12.6			7.6	10.9	
Confl Peds (#/hr)			2			2
Confl. Bikes (#/hr)						
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	10%	5%	0%	4%	3%	0%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Shared Lane Traffic (%)						
Lane Group Flow (vph)	492	657	0	1216	453	0
Turn Type	Prot	custom		NA	NA	
Protected Phases	4	6		1	5	
Permitted Phases						
Detector Phase	4	6		1	5	
Switch Phase						
Minimum Initial (s)	31.0	5.0		46.0	35.0	
Minimum Split (s)	35.0	12.0		50.0	38.0	
Total Split (s)	35.0	12.0		50.0	38.0	
Total Split (%)	41.2%	14.1%		58.8%	44.7%	
Yellow Time (s)	3.0	2.0		3.0	3.0	
All-Red Time (s)	0.0	0.0		1.0	0.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.0	2.0		4.0	3.0	
Lead/Lag		Lag			Lead	
Lead-Lag Optimize?		Yes			Yes	
Recall Mode	Max	Max		Max	Max	
Act Effct Green (s)	31.0	45.0		46.0	35.0	
Actuated g/C Ratio	0.36	0.53		0.54	0.41	

Lanes, Volumes, Timings
 3: California Avenue & I-55 Off Ramp

11/18/2019



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
v/c Ratio	0.82	0.70	0.65	0.31		
Control Delay	38.1	13.5	15.8	7.2		
Queue Delay	0.0	0.0	0.0	0.0		
Total Delay	38.1	13.5	15.8	7.2		
LOS	D	B	B	A		
Approach Delay	24.0		15.8	7.2		
Approach LOS	C		B	A		
Queue Length 50th (ft)	234	147	225	102		
Queue Length 95th (ft)	#402	278	294	0		
Internal Link Dist (ft)	474		253	401		
Turn Bay Length (ft)						
Base Capacity (vph)	598	935	1878	1443		
Starvation Cap Reductn	0	0	0	0		
Spillback Cap Reductn	0	0	0	0		
Storage Cap Reductn	0	0	0	0		
Reduced v/c Ratio	0.82	0.70	0.65	0.31		

Intersection Summary

Area Type: Other

Cycle Length: 85

Actuated Cycle Length: 85

Offset: 5.1 (60%) Referenced to phase 2 and 6: EBR Start of Green

Natural Cycle: 85

Control Type: Pretimed

Maximum v/c Ratio: 0.82

Intersection Signal Delay: 17.8

Intersection LOS: B

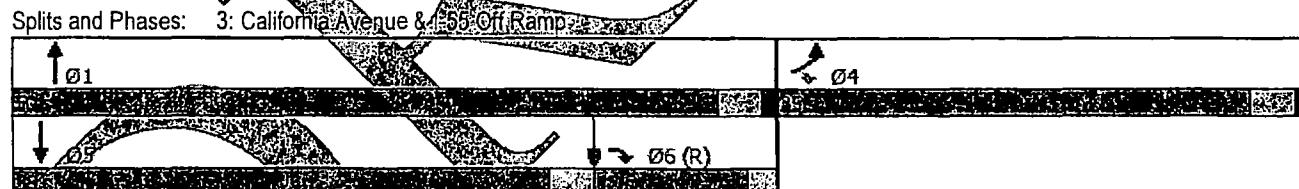
Intersection Capacity Utilization 77.0%

ICU Level of Service D

Analysis Period (min): 15

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles



Intersection												
Int Delay, s/veh	7.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↕			↕			↕			↕		
Traffic Vol, veh/h	16	1	18	9	0	2	21	804	8	2	1202	15
Future Vol, veh/h	16	1	18	9	0	2	21	804	8	2	1202	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	5	5	0	2
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	None			None			None			None		
Storage Length	-											
Veh in Median Storage, #	0			0			0			0		
Grade, %	-											
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	56	0	22	100	0	100	20	4	100	100	2	53
Mvmt Flow	17	1	19	10	0	2	22	855	9	2	1279	16
Major/Minor												
Conflicting Flow All	2199	2206	1289	2210	2210	866	1297	0	0	869	0	0
Stage 1	1293	1293	909	909								
Stage 2	906	913	-	1301	1301							
Critical Hdwy	7.66	6.5	6.42	8.1	6.5	7.2	4.3			5.1		
Critical Hdwy Stg 1	6.66	5.5	-	7.1	5.5							
Critical Hdwy Stg 2	6.66	5.5	-	7.1	5.5							
Follow-up Hdwy	4.004	4	3.498	4.4	4	4.2	2.38			3.5		
Pot Cap-1 Maneuver	22	45	181	16	45	241	479			482		
Stage 1	155	235		226	357							
Stage 2	267	355		26	233							
Platoon blocked, %	-											
Mov Cap-1 Maneuver	20	40	181	13	40	240	478			480		
Mov Cap-2 Maneuver	20	40	-	13	40	-	-			-		
Stage 1	141	231		205	323							
Stage 2	241	322		140	229							
Approach												
HCM Control Delay, s	299.6			448.3			0.3			0		
HCM LOS	F			E			F			A		
Minor Lane/Major Mvmt												
Capacity (veh/h)	475			38			16			480		
HCM Lane V/C Ratio	0.047			-			0.98			0.731		
HCM Control Delay (s)	42.9			0			299.6			448.3		
HCM Lane LOS	B			A			-			F		
HCM 95th %tile Q(veh)	0.1			-			3.7			1.8		
Notes												
- Volume exceeds Capacity \$ Delay exceeds 300s + Computation Not Defined * All major volume in platoon												