



# City of Chicago



O2015-8468

Office of the City Clerk

## Document Tracking Sheet

<b>Meeting Date:</b>	12/9/2015
<b>Sponsor(s):</b>	Misc. Transmittal
<b>Type:</b>	Ordinance
<b>Title:</b>	Zoning Reclassification Map No. 2-H at 1801-1853 W Jackson Blvd - App No. 18583
<b>Committee(s) Assignment:</b>	Committee on Zoning, Landmarks and Building Standards

#18583  
INTRO DATE  
Dec 9, 2015

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, is hereby amended by changing all of the B3-3 Community Shopping District symbols and indications as shown on Map No. 2-H in the area bounded by

West Jackson Boulevard; South Wood Street; West Odgen Avenue; West Van Buren Street; a line approximately 228 feet west of West Odgen Avenue; a line 129.06 feet north of and parallel to West Van Buren Street; a line 516 feet west of and parallel to South Wood Street.

to those of an Institutional Planned Development District.

SECTION 2. This ordinance shall be in force and effect from and after its passage and due publication.

Common Address of Property: 1801-1853 W. Jackson Boulevard

**BLACKHAWKS PRACTICE FACILITY**  
**PLANNED DEVELOPMENT STATEMENTS**

1. The area delineated herein as Planned Development Number \_\_, ("Planned Development") consists of approximately 174,240 square feet of property (4 acres) which is depicted on the attached Planned Development Boundary and Property Line Map ("Property") and is owned or controlled by the Applicant, Blackhawk Community Ice Rink, LLC.
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 of 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 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 adjustment 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 of privilege, or any items encroaching on the public way, shall be in compliance with the Plans.

Ingress or egress shall be pursuant to the Plans 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 Department 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 Department of Transportation.

4. This Plan of Development consists of 15 Statements: a Bulk Regulations Table; an Aerial Map; an Existing Zoning Map; an Existing Land-Use Map; a Generalized Land-Use Map; a Planned Development Boundary and Property Line Map; Site Plan; Floor Plans; Landscape Plan; a Green Roof Plan; Building Elevations (North, South, East and West); Chicago Builds Green form prepared by HOK; and a Signage Plan and Matrix, submitted herein. Full-sized copies of the Site Plan, Landscape Plan and Building Elevations are on file with the Department of Planning and Development. 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. Permitted Uses for the Property shall include: Professional athletic team training/practice facility; Community Center, Recreation Building; Entertainment & Spectator Sports (small, medium, large venue); Sports and Recreation, Participant (indoor); Indoor Special Event Class B, including incidental liquor sales; Private events/special events and Place of Public Amusement, including rental of space; Offices; Parking, Non-Accessory; Medical Services, including rehabilitation, training, physical therapy, ancillary medical services, nutritional counseling, fitness; Retail Sales, General; Food and Beverage Retail Sales; Eating and Drinking Establishments, including café, restaurant and bar service, outdoor patio, other food service; Communications Service Establishments, including audio and video communication facilities; Signage (which may be fully video capable, dynamic display, and/or static sign formats), which may include: venue identification and promotion, promotion of teams, players and other personnel and team events, charitable, civic, and community-related events and causes, public service announcements, promotion of upcoming events such as sporting events, concerts, family shows, meetings, religious events and other performances (whether or not held on the Property), and sponsor commercials for branding or promotion of products and services; and all accessory uses, including but not limited to: catering and banquet; outdoor activities and sales, including public entertainment events such as concerts, fun runs, sporting activities, picnic/barbeque; ice rink-related activities, including but not limited to: hockey, ice skating, figure skating, recreational skating, curling, roller skating, in-line skating, extreme sports skating, recreational and advanced hockey leagues, public and private participant sports tournaments, competitions, workshops, training events, youth hockey programs, high school, college teams, semi-professional events, coaching programs for youth, high school, college and professional coaches; educational programs, including accredited learning programs related to hockey, skating, fitness, and sports; sports activities may include instruction, training, leagues, tournaments, expositions, recreational events, marketing events; all other indoor sports related activities, training, leagues, tournaments, and rentals, including but not limited to: soccer, lacrosse, baseball, softball, wrestling, football, basketball, and volleyball, and group events.
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. Signage may be fully video capable, dynamic display, and/or static sign formats, and may include: venue identification and promotion, promotion of teams, players and other personnel and team events, charitable, civic, and community-related events and causes, public service announcements, promotion of upcoming events such as sporting events, concerts, family shows, meetings, religious events and other performances (whether or not held on the Property), and sponsor commercials for branding or promotion of products and services.

Exterior on-premises signs are permitted subject to the review and approval of the Department.

Notwithstanding the foregoing, the Department shall approve all signs substantially conforming to the PD Signage Matrix. The PD Signage Matrix is incorporated herein and is hereby approved as an integral part of this Planned Development, and development of the Property as contemplated herein.

For the purposes of this Planned Development, any sign which identifies the name or sponsorship of any structure or designated area within the Property, or any sponsor of the professional team operating in the facility, or any sponsor of a retail showcase or other space within the Property, shall be deemed an on-premises sign and may be located anywhere in the Planned Development.

Nothing in this Planned Development or the PD Signage Matrix shall be deemed to regulate or limit any other sign exempt from regulation under Section 17-12-0500 of the Chicago Zoning Ordinance, or incidental, temporary and special events signage.

Solely as applied to the Property, this Planned Development and the PD Signage Matrix shall supersede any provisions of Title 17 of the Chicago Municipal Code which are inconsistent or in conflict with or more restrictive than the PD Signage Matrix, including, without limitation, Chapter 17-12 of the Zoning Ordinance.

7. For purposes of height measurement, the definitions in the Zoning Ordinance shall apply. The height of any building shall also be subject to height limitations, if any, established by the Federal Aviation Administration.
8. The maximum permitted Floor Area Ratio ("FAR") for the site shall be in accordance with the attached Bulk Regulations Table. For the purposes of FAR calculations and measurements, the definitions in the Zoning Ordinance shall apply. The permitted FAR identified in the Bulk Regulations Table has been determined using a Net Site Area of approximately 174, 240 square feet.
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. Any future expansion would be conducted through Site Plan approval, as follows:

Prior to the Part II Approval (per Section 17-13-0610 of the Zoning Ordinance), the Applicant shall submit a site plan, landscape plan and building elevations for the proposed project for review and approval by the Department of Planning and Development. Review and approval by the Department of Planning and Development is intended to assure that specific development components substantially conform with the Planned Development and to assist the City in monitoring ongoing development. Site Plan Approval Submittals (per Section 17-13-0800) need only include that portion of the Property for which approval is being sought by the Applicant. The site plan provided shall include all dimensioned and planned street Rights-of-Way.

No Part II Approval for any portion of the Property shall be granted until Site Plan approval has been granted. Following approval by the Department of Planning and Development, the approved Site Plan Approval Submittals, supporting data and materials shall be made part of the main file and shall be deemed to be an integral part of the Planned Development.

After approval of the Site Plan, changes or modifications may be made pursuant to the provisions of Statement 12. In the event of any inconsistency between approved plans and the terms of the Planned Development, the terms of the Planned Development shall govern. Any Site Plan Approval Submittals shall, at a minimum, provide the following information:

- fully-dimensioned site plan (including a footprint of the proposed improvements);
- fully-dimensioned building elevations;
- fully-dimensioned landscape plan(s); and,
- statistical information applicable to the subject Property, including floor area, the applicable FAR, uses to be established, building heights and setbacks.

Site Plan Approval Submittals shall include all other information necessary to illustrate substantial conformance to the Planned Development.

11. The Applicant shall comply with Rules and Regulations for the Maintenance of Stockpiles promulgated by the Commissioners of the Departments of Streets and Sanitation, Fleet and Facility Management and Buildings, under Section 13-32-125 of the Municipal Code, or any other provision of that Code.
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 Ordinance by the Zoning Administrator upon the application for such a modification by the Applicant, its successors and assigns and, if different than the Applicant, the legal title holders 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 it 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 natural resources. Applicant will construct the facility with a green roof, covering 25% of the Net Roof Area, and will be constructed and operated consistent with LEED standards.
15. This Planned Development shall be governed by Section 17-13-0612 of the Zoning Ordinance. Should this Planned Development ordinance lapse, the Commissioner of the Department of Planning and Development shall initiate a Zoning Map Amendment to rezone the property to B3-3.

## BULK REGULATION TABLE

GROSS SITE AREA (PD BOUNDARY):	5.02 ACRES (218,671 SF)
PUBLIC RIGHT-OF-WAY SITE AREA:	1.02 ACRES (44,431 SF)
NET SITE AREA:	4 ACRES (174,240 SF)
ALLOWABLE USES:	PER PLANNED DEVELOPMENT STATEMENT NUMBER 5
MAXIMUM ALLOWED F.A.R.:	3.0 F.A.R. FOR ZONING DISTRICT B3-3 (COMMUNITY SHOPPING DISTRICT)
MINIMUM OFF STREET PARKING SPACES:	90 PARKING SPACES
MINIMUM OFF STREET LOADING SPACES:	1 LOADING DOCK
MINIMUM PERIPHERY SETBACKS:	0' - NORTH      0' - WEST 15' - SOUTH    5' - EAST    15' - SOUTHEAST (FROM OGDEN)
MINIMUM DISTANCE BETWEEN BUILDINGS:	NOT APPLICABLE
MAXIMUM PROPOSED BUILDING HEIGHT:	52'-0" ESTIMATED
MINIMUM AMOUNT OF OPEN SPACE PROVIDED:	NOT APPLICABLE
BICYCLE PARKING:	26 BICYCLE SPACES

**BLACKHAWKS  
PRACTICE FACILITY  
2015**

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## **Project Narrative**

BLACKHAWKS COMMUNITY TRAINING CENTER  
PROJECT NARRATIVE  
NOVEMBER 2015

Project is a 126,000 sf (+ or -) Community Hockey Training Facility to be developed by Blackhawk Community Ice Rink, LLC and Wirtz Corporation, in cooperation with Chicago Stadium Corporation and the Chicago Blackhawks Hockey Club. Project is to be located at the SWC of W Jackson Blvd and S Wood Street, on four acres of land (+ or -) to be acquired from the City of Chicago. Land is being acquired from the city at a price that is equal or greater than market value.

Project includes a full service community hockey training center, including two regulation sized ice sheets with capacity for approximately 300 spectators in each rink, locker rooms, fitness facility, food & beverage, and related space. Project also includes training and fitness facilities to be used by the Chicago Blackhawks Hockey Club as its primary training facility. The Blackhawks will utilize the community ice sheets during its practice times.

The Training Facility, with its central location near downtown, will provide an ideal location for current and future generations of Chicagoans to learn to skate and to play the sport of hockey. The Facility will blend into the surrounding urban context, providing a cohesive design with other nearby athletic facilities, including the United Center and the Chicago Bulls new training facility, the Advocate Center, while providing appropriate building size and modern design aesthetics. The Training Facility will provide hockey and ice skating programs to a wide range of users, with a focus on youth development. Programs will include ice skating, figure skating, recreational skating, recreational and advanced hockey leagues, tournaments, high school and college teams, semi-professional teams, off-ice training – including fitness and nutritional programs, and group events.

Wirtz Corporation and the Chicago Blackhawks are committed to helping underprivileged youth by providing training and development programs related to the sport of hockey. Wirtz will partner with Chicago Blackhawks Charities to provide free hockey and off-ice development programs for local youth groups.

The Project will be designed to meet LEED equivalent standards, and will have 25% green roofs. Parking areas will be landscaped and fenced consistent with the City's current standards.

Wirtz plans to acquire the land from the City of Chicago after it has removed existing improvements and removed any environmental hazards. Projected acquisition is June 2016. Construction is planned to start in July 2016 and to be completed in November 2017. The project is anticipated to be funded through a combination of equity and internal financing.

## **Letter of Consent**



**CITY COLLEGES**  
**of CHICAGO**  
Education that Works

November 6, 2015

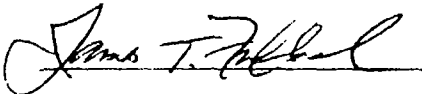
Re: Letter of Consent: Planned Development (1900 W. Van Buren Street)

To Whom It May Concern:

The Board of Trustees of Community College District No. 508, County of Cook and State of Illinois, a body politic and corporate, is the owner of property (PINs: 17-18-224-035-0000, 17-18-225-036-0000, 17-18-226-026-0000 and 17-18-227-033-0000) located at 1900 W. Van Buren Street, Chicago, Illinois 60612 (the "Property"). The owner understands that Blackhawk Community Ice Rink, LLC will own the Property through a City of Chicago negotiated sale and create a new Planned Development for a Blackhawks practice facility on the eastern portion of the property (1801-1853 W. Jackson).

The Board of Trustees of Community College District No. 508, County of Cook and State of Illinois hereby authorizes Blackhawk Community Ice Rink, LLC and its agents to seek such Planned Development.

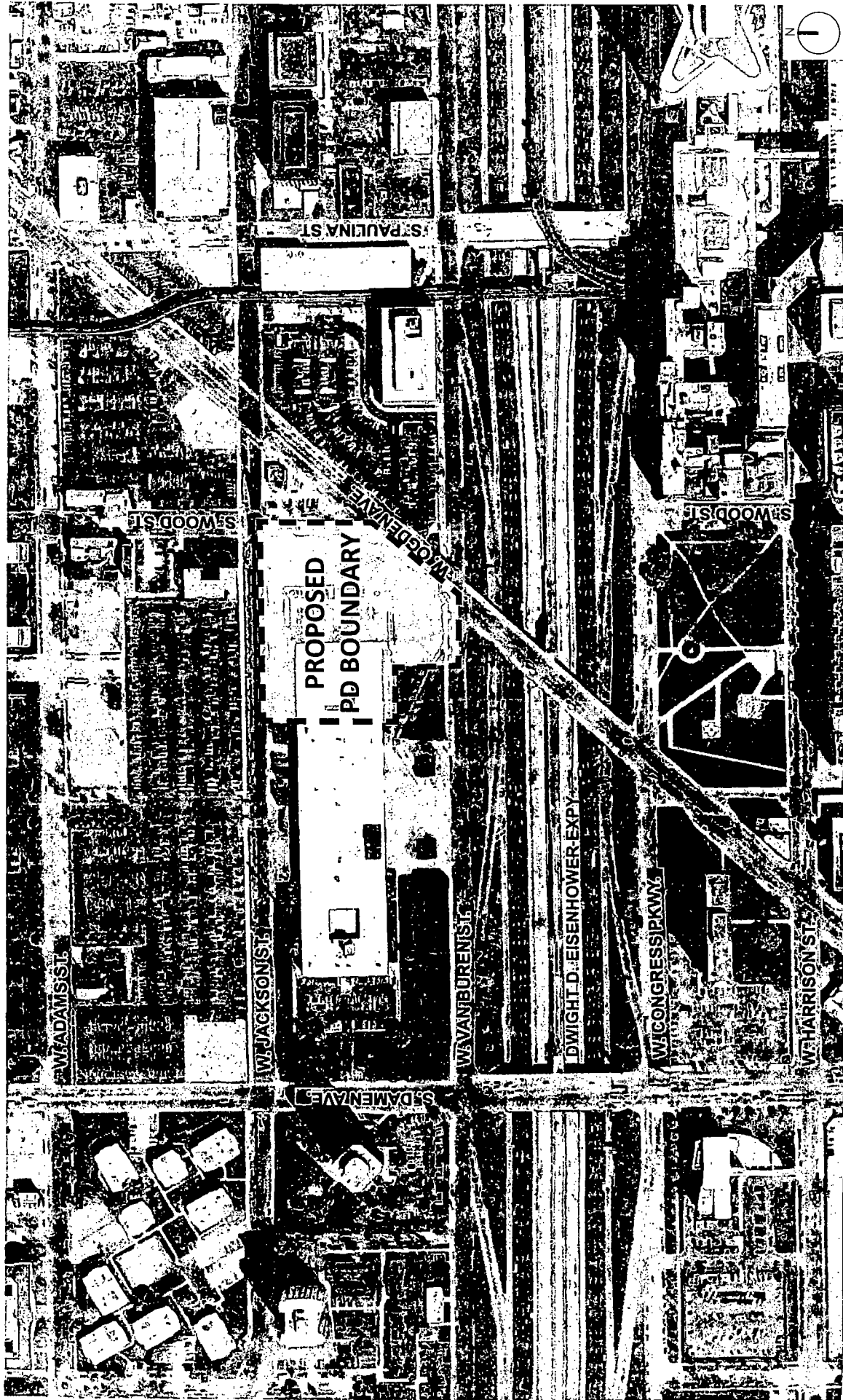
Board of Trustees of Community College District No. 508,  
County of Cook and State of Illinois

By: 

Name: James T. Frankenbach

Title: Chief Operating Officer

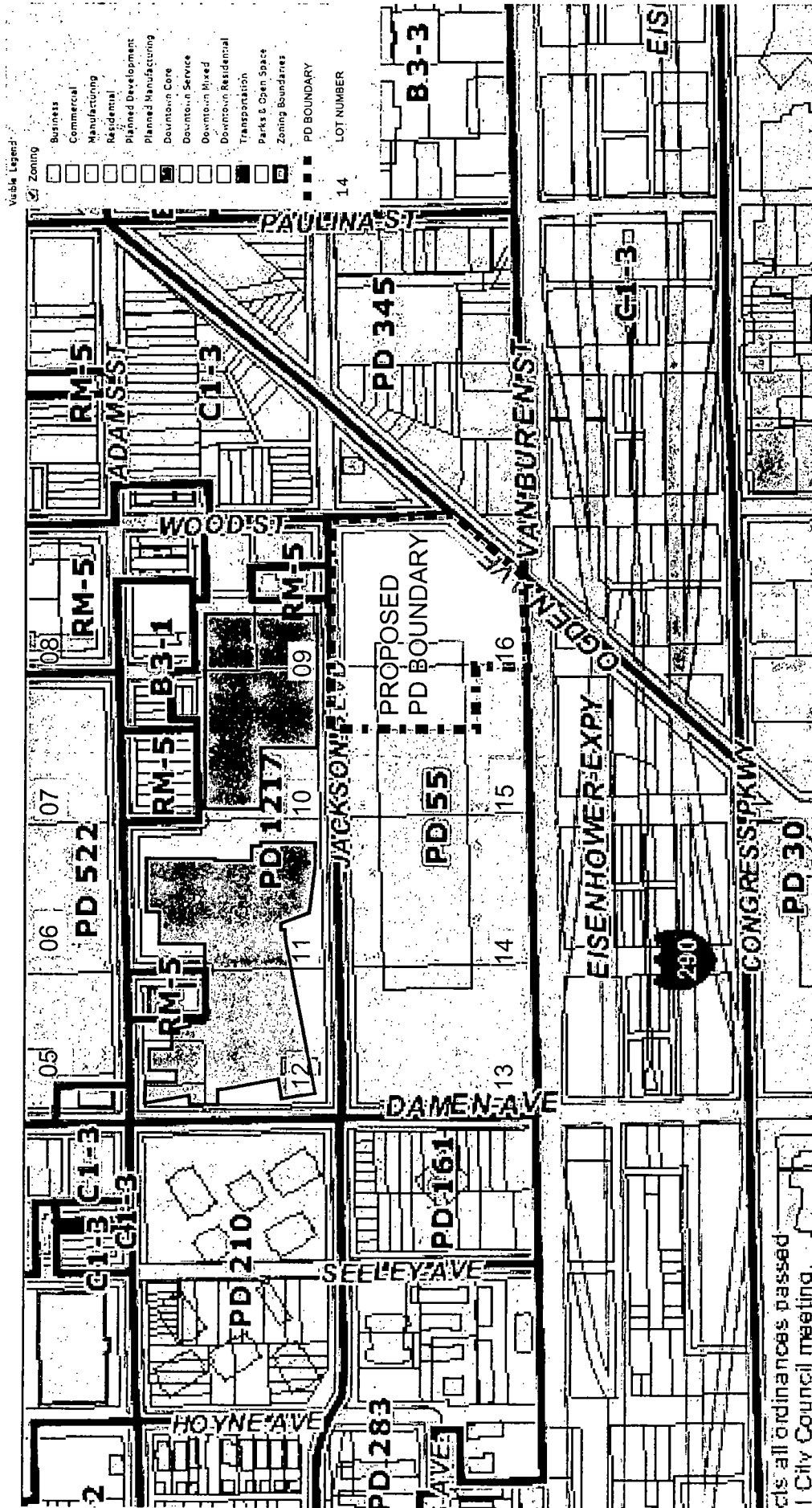
## Aerial Map



CHICAGO BLACKHAWKS COMMUNITY TRAINING CENTER  
PRESENTATION 2015.11.13

## AERIAL MAP

## Existing Zoning Map

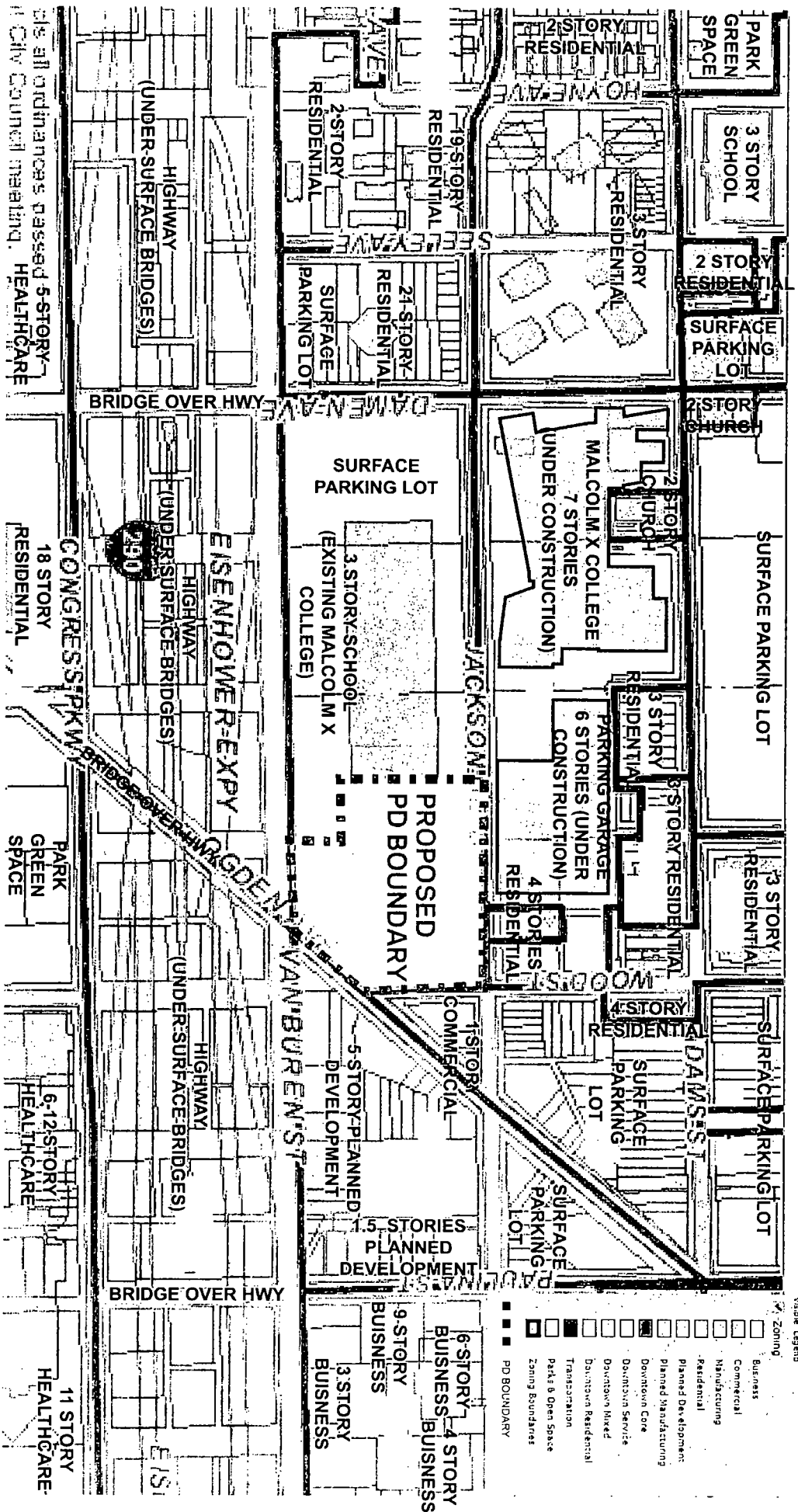






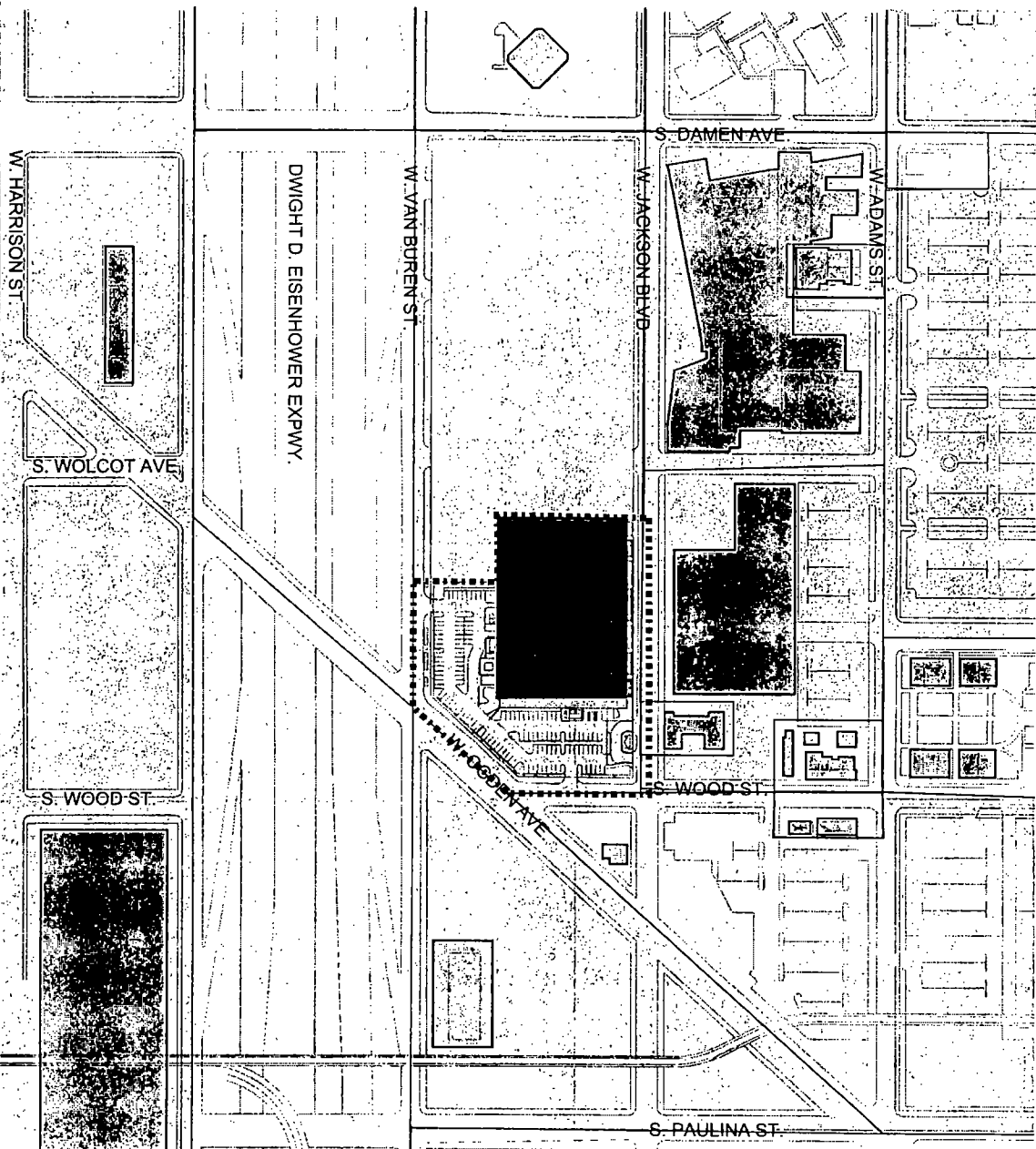
## Existing Land-Use Map





## **Generalized Land Use Plan**





NOTE: NO EXISTING  
STRUCTURES ARE TO  
REMAIN ON SITE.

- Viable Legend**
- Zoning
  - Business
  - Commercial
  - Manufacturing
  - Residential
  - Planned Development
  - Planned Manufacturing
  - Downtown Core
  - Downtown Service
  - Downtown Mixed
  - Downtown Residential
  - Transportation
  - Parks & Open Space
  - Zoning Boundaries
  - PD BOUNDARY

# GENERALIZED LAND-USE PLAN

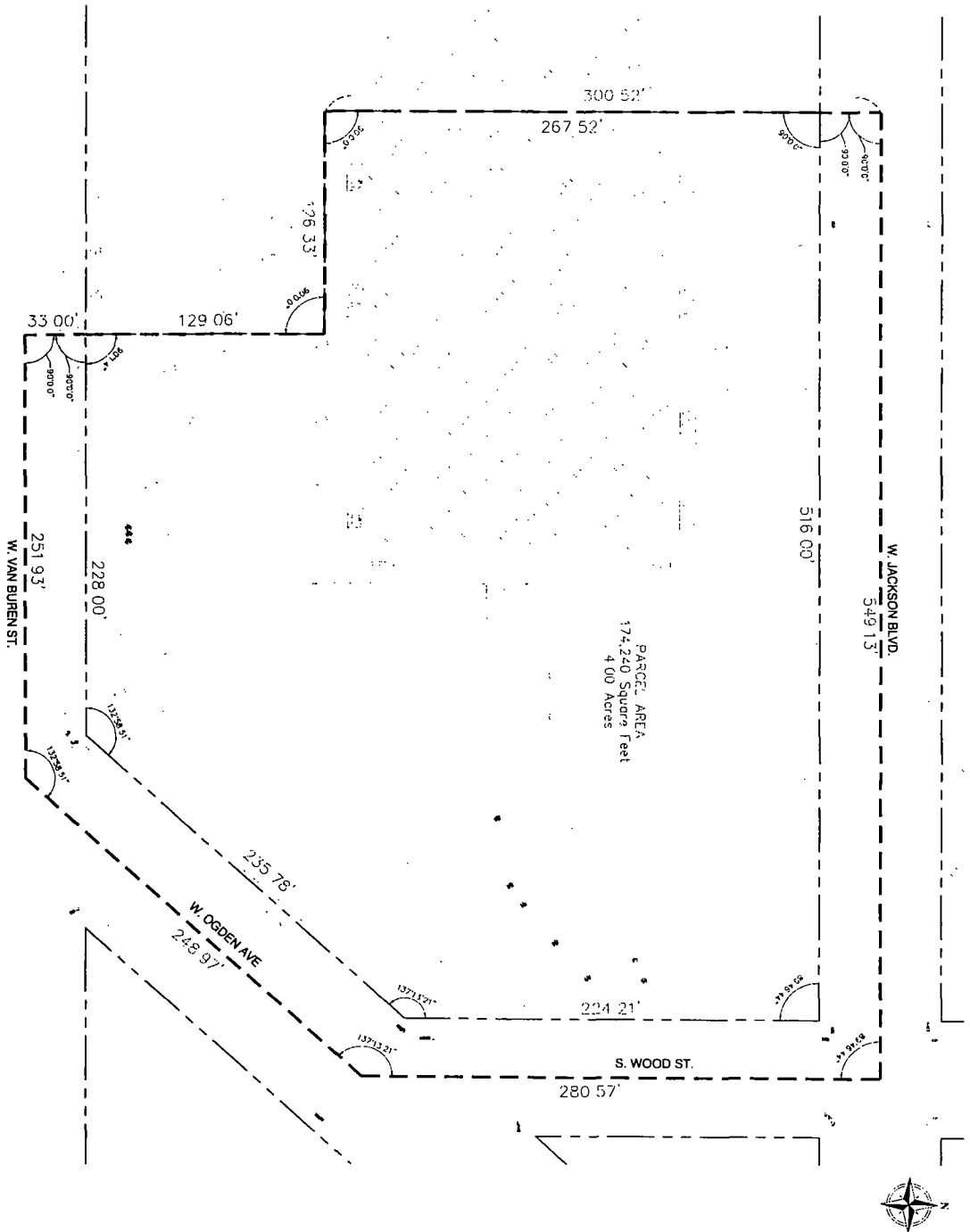


**Planned Development Boundary & Property Line**



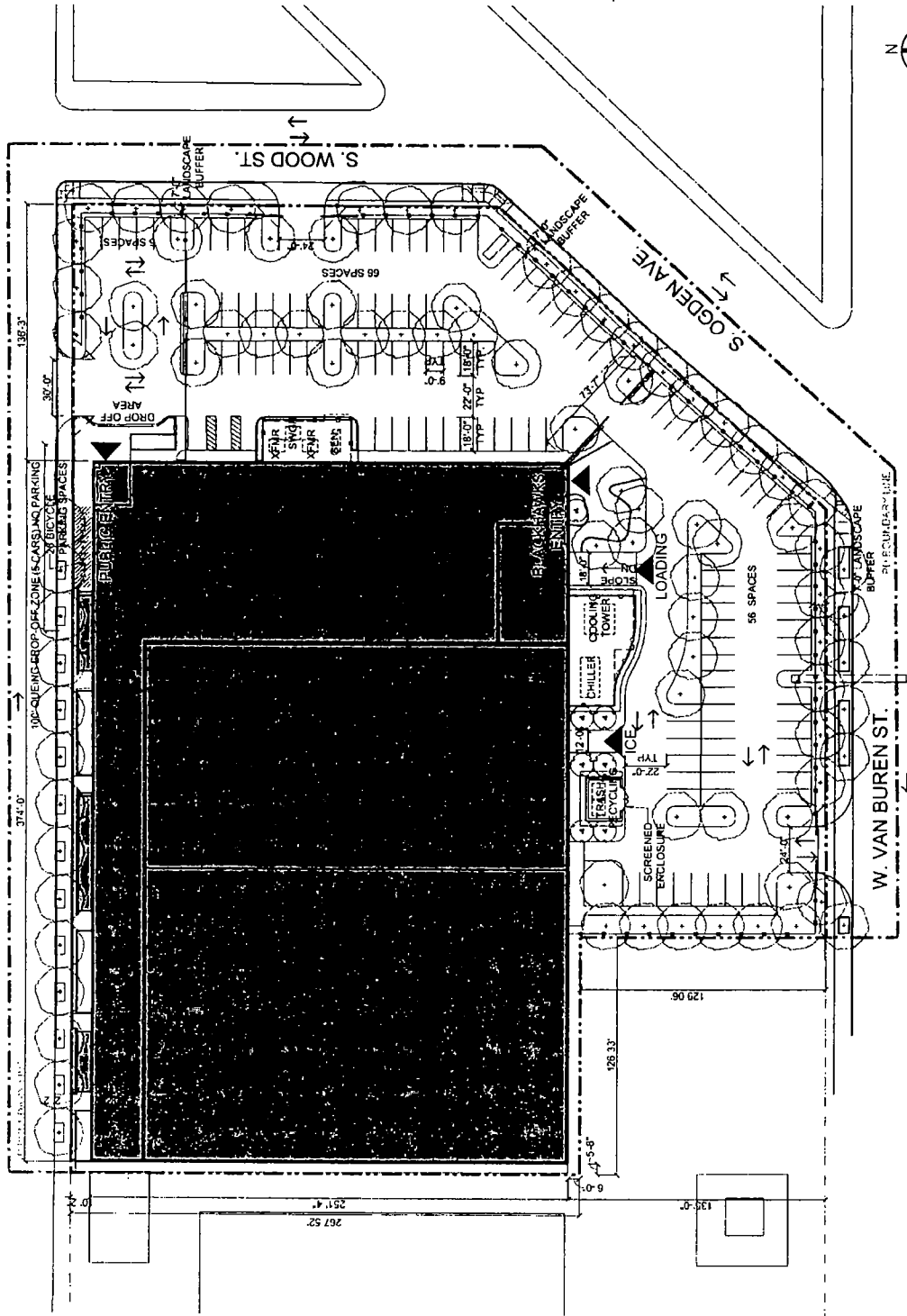


## PD BOUNDARY/PROPERTY LINE MAP



## Site Plan

W. JACKSON BLVD.



LEGEND

- 4 ACRE SITE
- ← ONE WAY STREET
- ↔ TWO WAY STREET
- ▲ BUILDING ENTRANCE
- - - PD BOUNDARY LINE

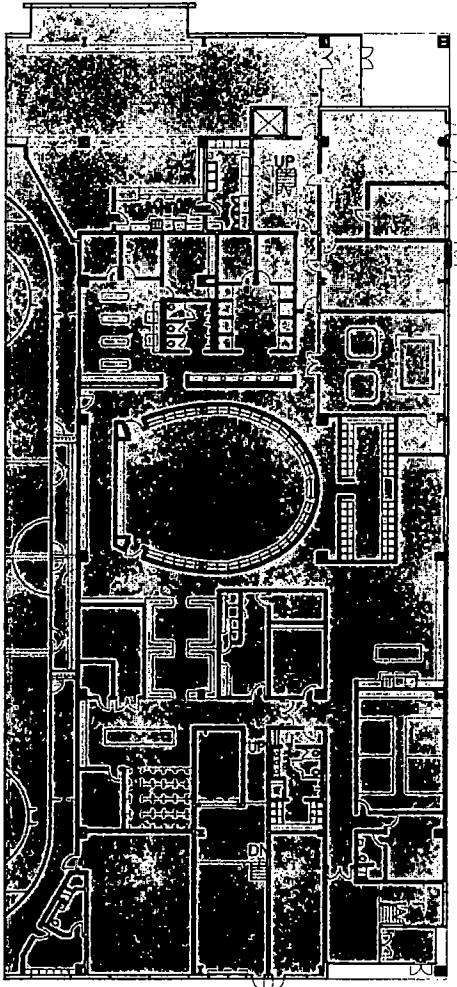


SCALE: 1/64" = 1'-0"

# CONCEPTUAL SITE PLAN

## Floor Plans

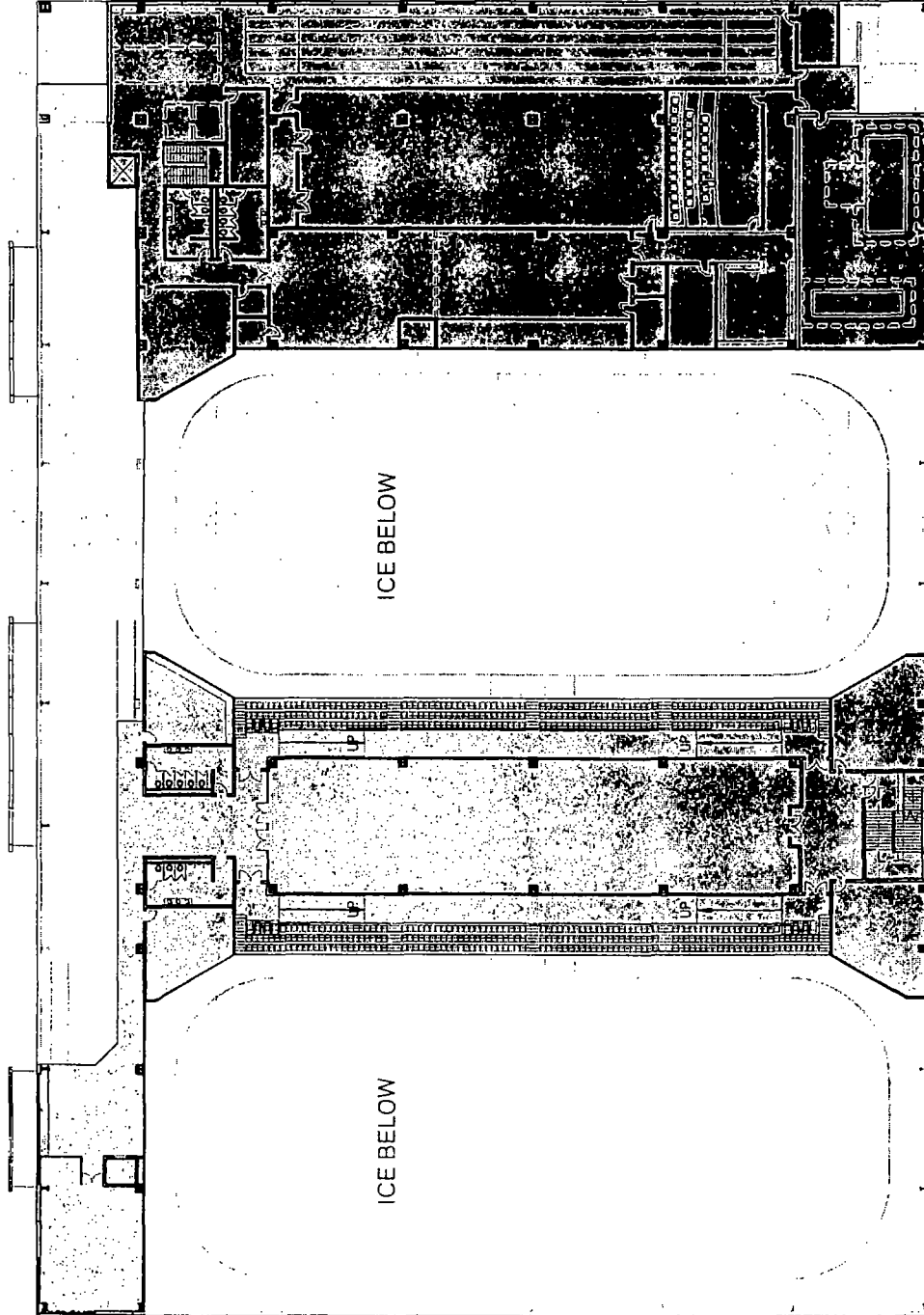




**FIRST FLOOR PLAN**  
SCALE: 1/32" = 1'-0"



## SUPPLEMENT: FLOOR PLANS



SECOND FLOOR PLAN  
SCALE: 1/32" = 1'-0"

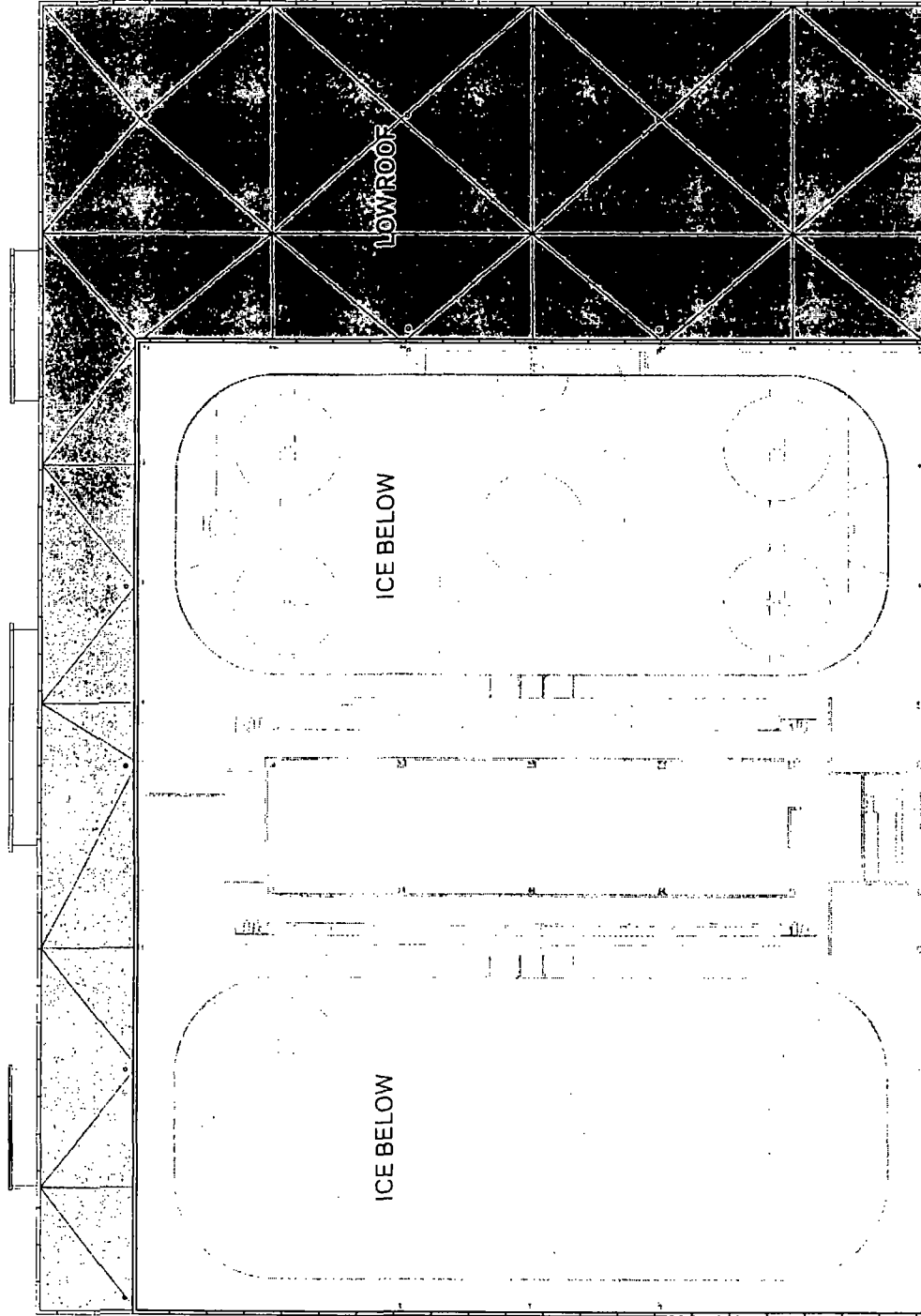


CHICAGO BLACKHAWKS COMMUNITY TRAINING CENTER  
RESENA, I.W. 2015.11.13



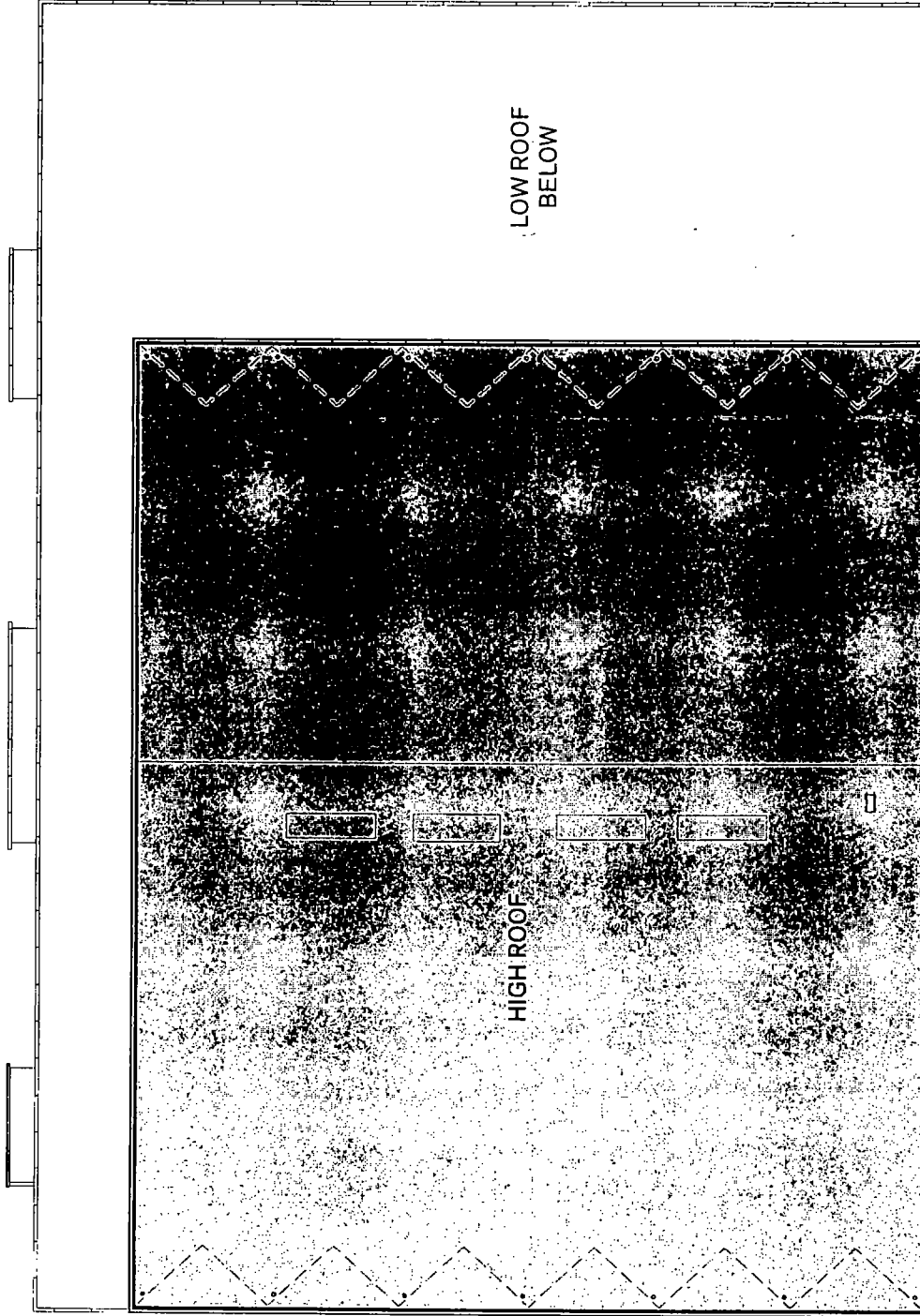
## SUPPLEMENT: FLOOR PLANS





LOW ROOF PLAN  
SCALE: 1/32" = 1'-0"





**HIGH ROOF PLAN**  
SCALE: 1/32" = 1'-0"

# SUPPLEMENT: FLOOR PLANS

**Landscape Plans**

# PARKWAY PLANTING

**JACKSON BOULEVARD**  
 LENGTH (LINEAR FEET) 383'  
 NUMBER OF TREES REQUIRED (1 PER 25') 15  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF TREES TO BE PROVIDED 14  
 NOTE: EXISTING RIGHT-OF-WAY ONLY ALLOWS FOR APPROXIMATELY 8'-9" SIDEWALK. REQUIRES 3' MINIMUM OF PRIVATE PROPERTY TO PROVIDE TREES. REQUIRES NUMBER OF TREES IS NOT PROVIDED DUE TO THE LOCATION OF THE PROPOSED BUILDING ENTRANCE AND QUEUING DROP-OFF ZONE

**WOOD STREET**  
 LENGTH (LINEAR FEET) 129'  
 NUMBER OF TREES REQUIRED (1 PER 25') 5  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 5  
 NOTE: EXISTING SIDEWALK WIDTH (12'-6") ALLOWS FOR THE PLACEMENT OF SHADE TREES. HOWEVER PER THE INITIAL PD INTAKE MEETING IT WAS RECOMMENDED THAT SHADE TREES NOT BE PROVIDED

**OGDEN AVENUE**  
 LENGTH (LINEAR FEET) 54' (204')  
 NUMBER OF TREES REQUIRED (1 PER 25') 2  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 2  
 NOTE: EXISTING SIDEWALK WIDTH VARIES FROM END TO END FROM 7'-WIDE ON THE NORTH EAST TO 12'-WIDE ON THE SOUTH WEST. PER THE INITIAL PD INTAKE MEETING IT WAS RECOMMENDED THAT SHADE TREES NOT BE PROVIDED ALONG OGDEN AVENUE

**VAN BUREN STREET**  
 LENGTH (LINEAR FEET) 159'  
 NUMBER OF TREES REQUIRED (1 PER 25') 6  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 6

## PARKING LOT SCREENING

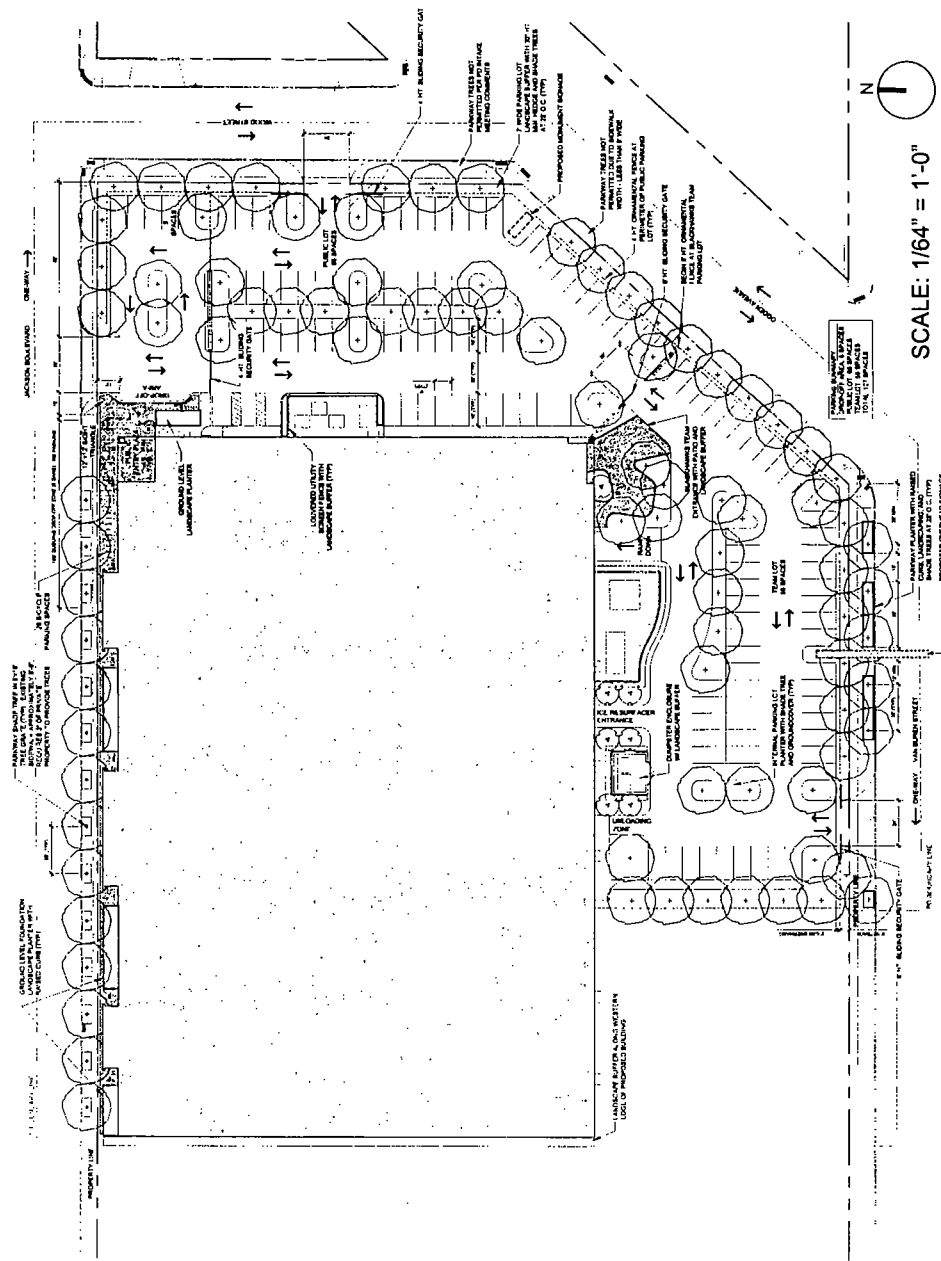
**JACKSON BOULEVARD**  
 LENGTH (LINEAR FEET) 42'  
 NUMBER OF TREES REQUIRED (1 PER 25') 1  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 1

**WOOD STREET**  
 LENGTH (LINEAR FEET) 171'  
 NUMBER OF TREES REQUIRED (1 PER 25') 7  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 7

**OGDEN AVENUE**  
 LENGTH (LINEAR FEET) 235'  
 NUMBER OF TREES REQUIRED (1 PER 25') 10  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 10

**VAN BUREN STREET**  
 LENGTH (LINEAR FEET) 180'  
 NUMBER OF TREES REQUIRED (1 PER 25') 7  
 EXISTING TREES TO REMAIN 0  
 NUMBER OF ADDITIONAL TREES TO BE PROVIDED 7  
 NOTE: PARKING LOT SCREENING INCLUDES 5' SETBACK WITH 30" HEDGE AND SHADE TREES SPACED 25' NO. BEHIND THE 5' SETBACK IS A 4' ORNAMENTAL FENCE AROUND THE PERIMETER OF THE PUBLIC PARKING LOT AND AN 8' ORNAMENTAL FENCE AROUND THE PERIMETER OF THE BLACKHAWKS TEAM PARKING LOT. BETWEEN THE FENCE AND THE PARKING LOT IS A 2' CAR OVERHANG WITH LOW GROUND COVER

# LANDSCAPE PLAN



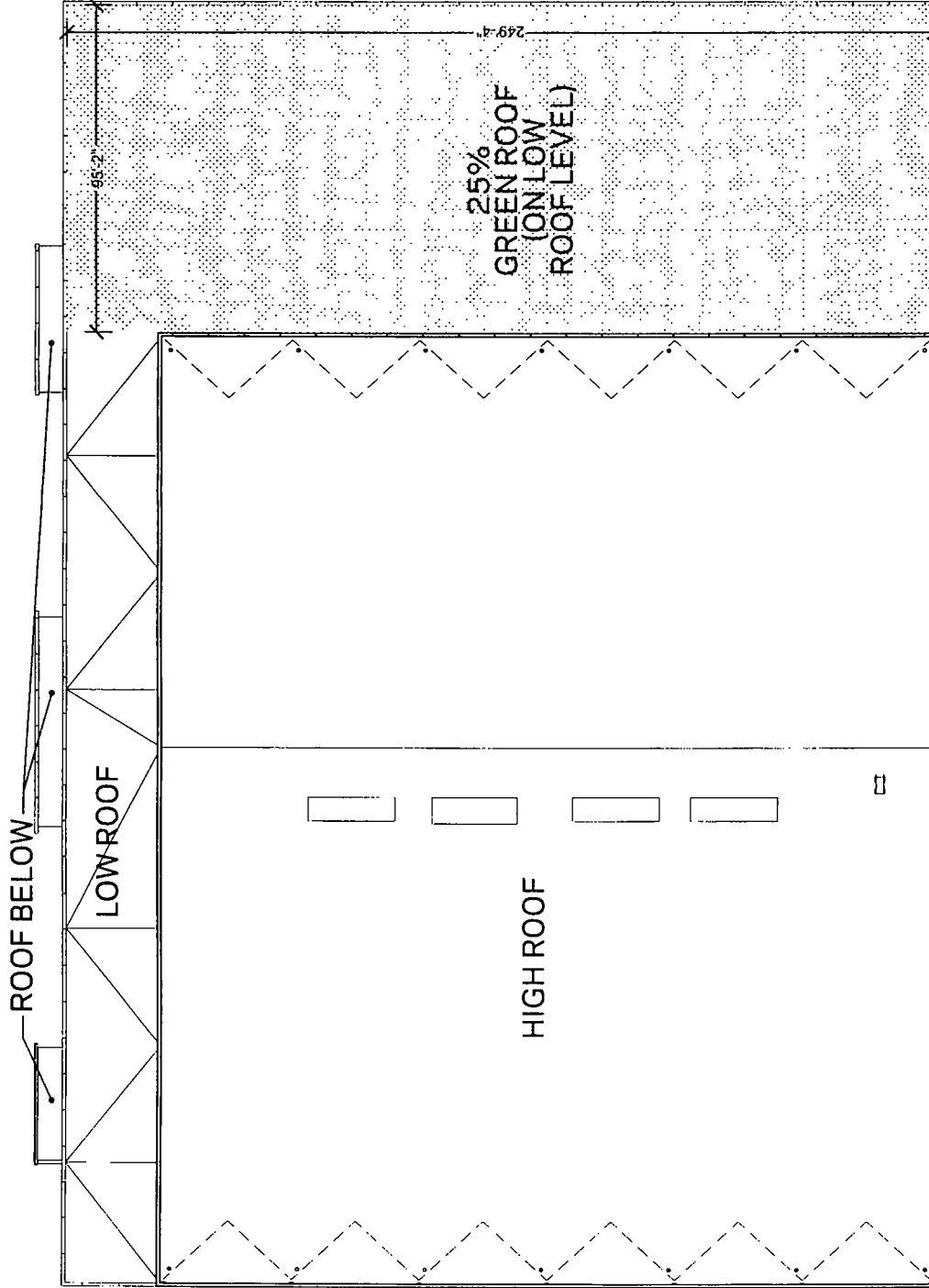
SITE AND PARKING DATA	
SITE AREA	174,240 SF
PROPOSED BUILDING FOOTPRINT	94,585 SF
PROPOSED IMPERVIOUS AREA	135,985 SF
PROPOSED PERVIOUS AREA	145,172 SF
FAR	18,818 SF
PROPOSED REGULAR SPACES	124
PROPOSED ADA ACCESSIBLE SPACES	3
PROPOSED TOTAL SPACES	127

PARKING LOT INTERNAL PLANTING (VEHICULAR USE AREA CALCULATION TABLE)	
TOTAL VEHICULAR USE AREA (VUA)	50,837 SF
LANDSCAPE AREA REQUIRED (10% OF TOTAL VUA)	5,083 SF
LANDSCAPE AREA PROVIDED	9,828 SF
NUMBER OF TREES REQUIRED (1 PER 120 SF)	42
EXISTING TREES TO REMAIN	0
NUMBER OF INTERIOR TREES TO BE PROVIDED	42
NOTE: 7'-0" LANDSCAPED SETBACKS ARE PROVIDED	



## Green Roof Plan



# GREEN ROOF INFORMATION

 EXTENSIVE GREEN  
 ROOF SYSTEM  
 COVERAGE

TOTAL ROOF FOOTPRINT: 94,585 SF

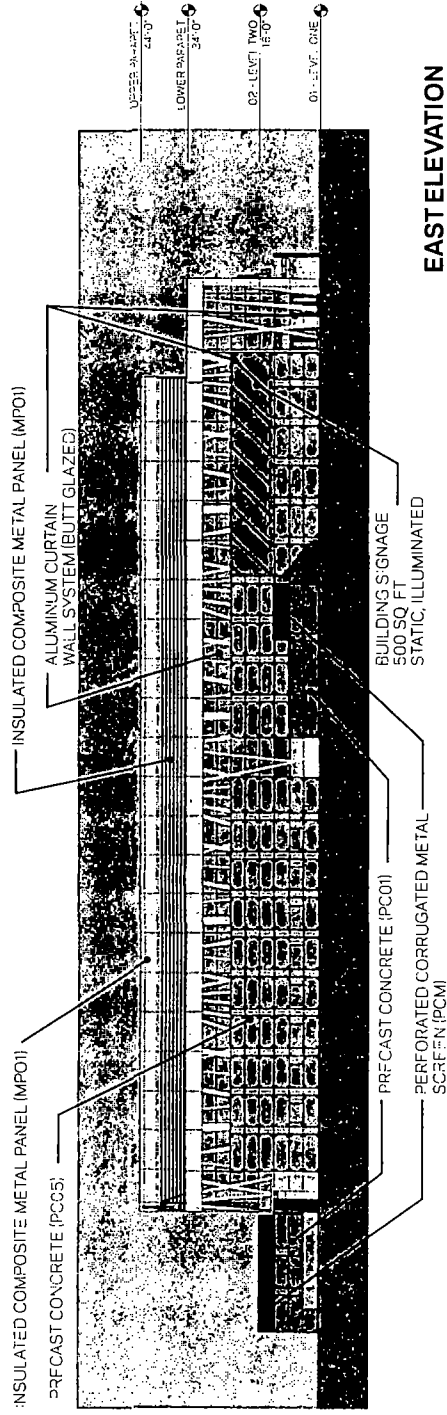
GREEN ROOF FOOTPRINT:  
 REQUIRED (25%) 23,463 SF  
 PROPOSED 23,728 SF

USABLE GREEN ROOF AREA: NONE

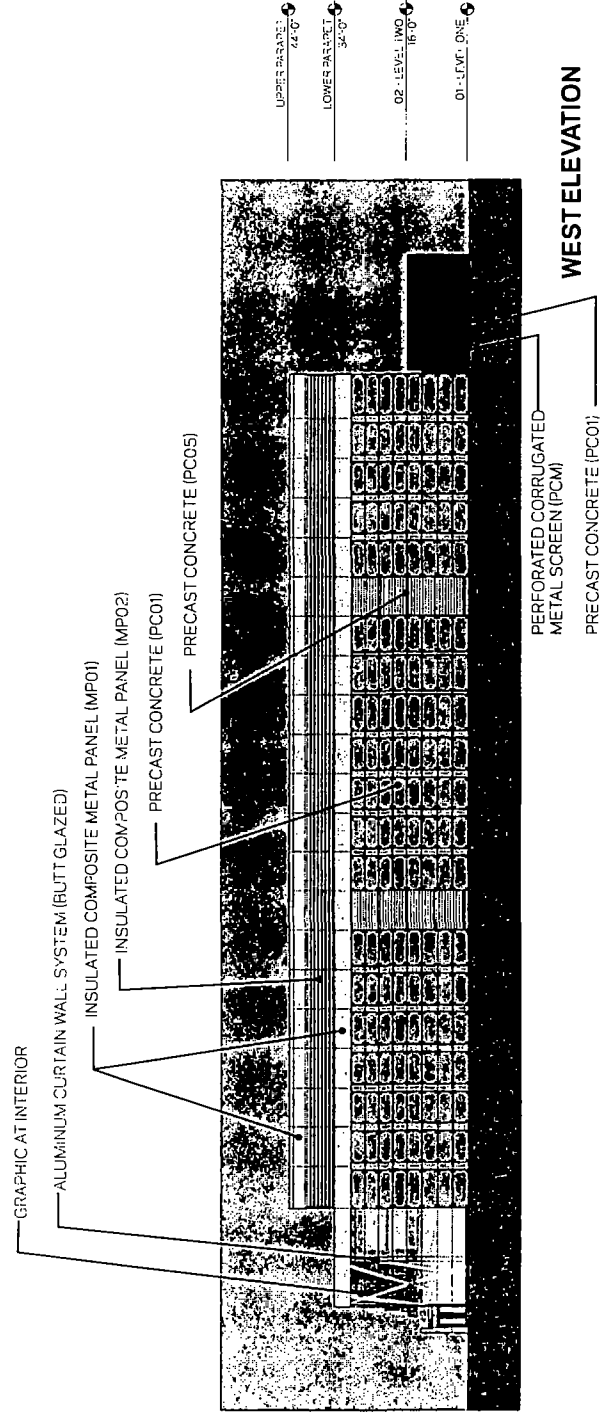
## Building Elevations







EAST ELEVATION



WEST ELEVATION

SCALE: 1/84" = 1'-0"

# EXTERIOR ELEVATIONS

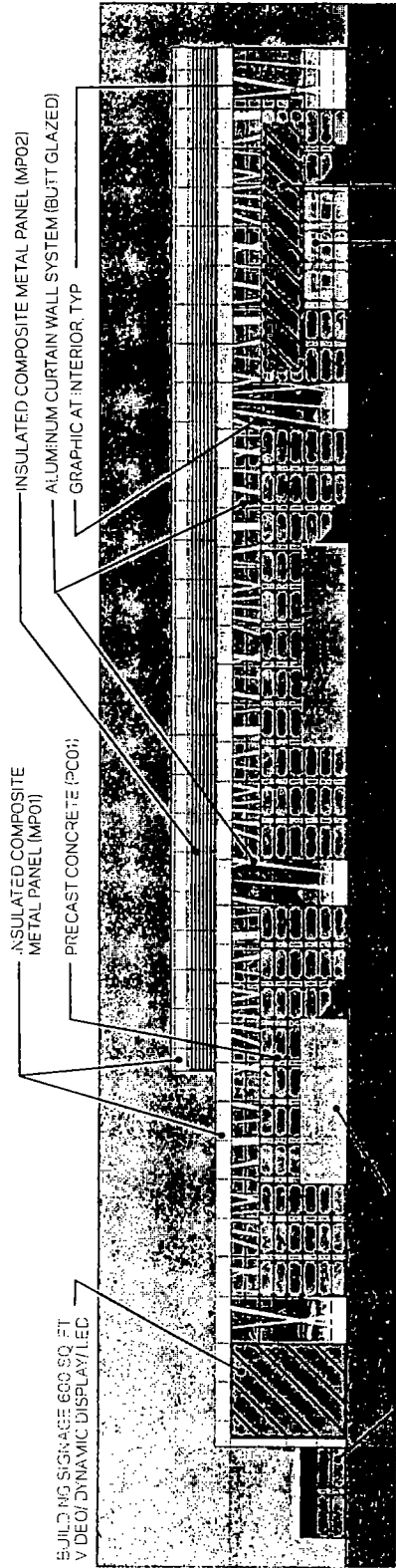


UPPER PARAPET 24'-0"

LOWER PARAPET 38'-0"

2ND LEVEL TYP 16'-0"

01 - LEVEL ONE



**NORTH ELEVATION**

ALUMINUM CURTAIN WALL SYSTEM (BUTT GLAZED)  
BUILDING SIGNAGE 500 SQ. FT.  
STATIC, ILLUMINATED

INSULATED COMPOSITE METAL PANEL (MP03)  
PERFORATED CORRUGATED METAL SCREEN (PCM)

INSULATED COMPOSITE METAL PANEL (MP01)

INSULATED COMPOSITE METAL PANEL (MP02)

PRECAST CONCRETE (PC01)

PRECAST CONCRETE (PC05)

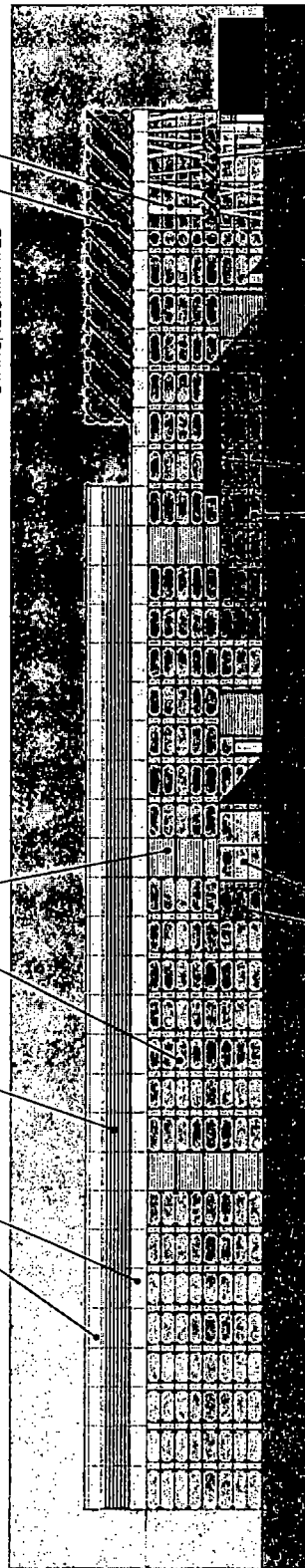
ALUMINUM CURTAIN WALL SYSTEM (BUTT GLAZED)  
BUILDING SIGNAGE 1000 SQ. FT.  
STATIC, ILLUMINATED

UPPER PARAPET 24'-0"

LOWER PARAPET 38'-0"

02 - LEVEL TWO 16'-0"

01 - LEVEL ONE



**SOUTH ELEVATION**

PRECAST CONCRETE (PC01)  
CORRUGATED METAL GATE

BUILDING SIGNAGE 150 SQ. FT.  
STATIC, ILLUMINATED  
PERFORATED CORRUGATED  
METAL SCREEN (PCM)

SCALE: 1/64" = 1'-0"

# EXTERIOR ELEVATIONS

CHICAGO BLACKHAWKS COMMUNITY TRAINING CENTER  
PRESENTATION 2015.11.13



## **Chicago Builds Green Form**



# CHICAGO BUILDS GREEN

**Project Name:**

Chicago Blackhawks Community Hockey Training Center

**Project Location:**

\* Street Number (if the address only includes one street number, please fill only the cell "From"):

From*	To*	Direction:	Street Name:	Select Street Type:
1801	1853	W	Jackson	Blvd

Ward No: Community Area No:

27	28
----	----

Check applicable:

**Project Type:**

☒ Planned Development ☐ Redevelopment Agreement ☐ Zoning Change

↳ PD No:

↳ RDA No:

↳ From:  To:

☐ Public project

☐ Landmark

Total land area in sq.ft.:

Total building(s) footprint in sq.ft.:

Total vehicular use area in sq.ft.:

**Project Size:**

174,240

94,585

50,637

Enter First Name Last Name

**DPD Project Manager:**

Fernando Espinoza

Select project category:

**BG/GR Matrix:**

Inst. School, Com. Center

**Financial Incentives:**

Check applicable:

☐ TIF

☐ Empowerment Zone Grant

☐ Class L

☐ GRIF

☐ Ind. Dev. Revenue Bonds

☐ Class 6b

☐ SBIF

☐ Bank Participation Loan

☐ DOH

☐ Land Sale Write Down

**Density Bonus:**

Check applicable:

☐ Public plaza & pocket park

☐ Water features in a plaza or pocket park

☐ Chicago Riverwalk improvements

☐ Setbacks above the ground floor

☐ Winter gardens

☐ Lower level planting terrace

☐ Indoor through-block connection

☐ Green roof

☐ Sidewalk widening

☐ Underground parking and loading

☐ Arcades

☐ Concealed above-ground parking



Required per Zoning Code or Green Roof/Building Green Matrix	To be Provided by the development:
---	---------------------------------------

Please fill, if applicable

## Landscaping:

7' Landscape Setback  
Interior Landscape Area  
No. of Interior Trees  
No. of Parkway Trees

Square footage:	4,396	4,396
Square footage:	5,063	9,628
	42	42
	28	20

## Open Space:

River Setback  
Private Open Space  
Privately developed Public Open Space

Square footage:	0	0
Square footage:	0	0
Square footage:	0	0

## Stormwater Management (At-grade volume control):

Permeable paving  
Raingarden  
Filter strip  
Bioswale  
Detention pond  
Native landscaping  
Rain-water collection cistern/barrel  
Total impervious area reduction

Square footage:	2,828
Check applicable:	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
Square footage:	15,990
Gallons:	0
Square footage:	0

## Other sustainable surface treatments:

Green roof  
Energy Star roof  
High-albedo pavement

Square footage:	23,462	23,728
Square footage:	0	0
Square footage:		0

## Transportation:

No. of accessory parking spaces  
Total no. of parking spaces (Accessory + Non- Acc.)  
No. of parking spaces dedicated to car sharing  
services (E.g.: I-Go, Zip-Car)  
No. of bicycle parking  
Within 600 ft of CTA or Metra station entrance

0	0
	127
0	0
0	26
Check if applicable:	<input type="checkbox"/>

## Building Certification:

Energy Star building

LEED certification

LEED Certified

LEED Silver

LEED Gold

LEED Platinum

Chicago Green Homes

Chicago Green Homes [one-star]

Chicago Green Homes [two-star]

Chicago Green Homes [three-star]

<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>

## Energy efficiency strategies not captured above:

*-IE: Other than Energy Star Roof – or Energy Star Building Certification-*

The Chicago Blackhawks Community Training Center design team will pursue several green strategies to obtain a LEED Equivalency. Sustainable solutions provide high performance design. HOK's global practice is made up of people committed to partnering with clients to be responsible stewards for the environment. We deliver solutions that satisfy people's needs, improve the environment and provide value for our clients while creating lively, memorable places. Our ability to integrate high performance into our planning and design solutions enables HOK to provide life-cycle sustainable services for clients.

The design team is developing and implementing the following sustainable strategies to obtain LEED Equivalency for the project. For a sustainable site, the team is working towards construction activity pollution prevention, sustainable site selection, development density and connectivity, brownfield redevelopment, public transportation access, providing bicycle storage and changing rooms, parking capacity and preventing heat island effect. The facility will also reduce the amount of water used by fixtures to exceed the minimum required by LEED for water efficiency. LEED energy performance requirements will be pursued by specifying energy efficient light fixtures and optimizing energy performance of mechanical systems. The waste produced during construction will be managed to divert waste from area landfills. To meet LEED equivalency, select materials specified will be regionally sourced and will meet the requirements for recycled content.

Refer to the LEED Equivalency Narrative for more information.

## Other sustainable strategies and/or Project Notes:



## **CHICAGO BLACKHAWKS |** community training center

11.13.2015 LEED Equivalency Narrative – Based on PD Submittal

### **SUSTAINABLE SITES**

SS Prereq 1 Construction Activity Pollution Prevention: HBK

HBK will provide a soil erosion and sediment control plan for construction activities that will satisfy requirements of the credit.

SS Credit 1 Site Selection: HBK

Project meets all requirements of the credit.

SS Credit 2 Development Density and Community Connectivity: HBK

Project meets all requirements of OPTION 2.

SS Credit 3 Brownfield Redevelopment: Contractor

SS Credit 4.1 Alternative Transportation – Public Transportation Access: HBK

Project meets all requirements of OPTION 2.

SS Credit 4.2 Alternative Transportation – Bicycle Storage + Changing Rooms: HOK

HOK will calculate the required number of bike storage spots and accommodating showers/changing rooms in the building and confirm the documents against the required LEED criteria (racks for 5% of FTE and .5% showers for FTE)

SS Credit 4.4 Alternative Transportation – Parking Capacity: HBK

This credit appears to be achievable via OPTION 1, but the parking capacity the project is providing in the new lot needs to be verified as meeting but not exceeding the minimum required by zoning code. It needs to be determined if PD sets this minimum level, and if not, what zoning code and parking capacity applies to the project. If proposed parking capacity meets the requirement, then seven (7) preferred parking spaces must be provided for carpool or vanpool vehicles. The number of spaces to be provided is based on a total of 125 spaces in the new parking lot. The Blackhawks would be responsible for policing the proper use of spaces. “Preferred parking” refers to the parking spots that are closest to the building entry.

SS Credit 7.2, Heat Island Effect: Roof : HOK

HOK will specify the appropriate combination of SRI roofing and/or green roof on the facility.

### **WATER EFFICIENCY**

WE Prerequisite 1, Water Use Reduction: MEE

Pursuing a 30% water use reduction, which exceeds minimum required 20% reduction.

WE Credit 3, Water Use Reduction: Targeting a 30% reduction in water usage.

### **ENERGY+ATMOSPHERE**

EA Prerequisite 2, Minimum Energy Performance: MEE

The building will have a majority LED lighting package with high efficiency fixtures and relatively low power density.

EA Prerequisite 3, Fundamental Refrigerant Management: MEE

EA Credit 1, Optimize Energy Performance: MEE

### **MATERIALS+RESOURCES**

M+R Prerequisite 1 Storage and Collection of Recyclables: HOK

HOK will coordinate with the Blackhawks to appropriately layout the spaces for recycling within the building.



M+R Credit 2 Construction Waste Management: Contractor

GC will coordinate and lead implementation of construction waste diversion (recycling) during construction to achieve 75% diversion as calculated by the LEED-NC Rating system.

M+R Credit 4.1, Recycled Content: HOK

HOK will specify materials to meet the LEED criteria of this credit and will work with GC to ensure the materials used match the same criteria for recycled content and application.

M+R Credit 5.1, Regional Materials: HOK

HOK will specify materials to meet the LEED criteria of this credit and will work with GC to ensure the materials used match the same criteria for regional production and application.

#### **INDOOR ENVIRONMENTAL QUALITY**

IEQ Prerequisite 1, Minimum IAQ Performance: Adequate ventilation will be provided in the building to meet this prerequisite.

IEQ Credit 1, Outside Air Delivery Monitoring: Demand controlled ventilation is required by code and airflow monitoring stations can be provided at all of the air handling units.

IEQ Credit 3.1 Construction IAQ Management Plan – During Construction: GC

GC will coordinate and lead implementation of the IAQ management plan during construction as identified in the criteria of the LEED-NC Rating system.

IEQ Credits 4.1–4.3 Low-Emitting Materials–Adhesives+Sealants, Paints+Coatings, Carpet: HOK

HOK will specify materials to meet the LEED criteria of these three credits and will work with GC to ensure the materials used match the same criteria for VOC thresholds and application.

IEQ Credit 6.1 Controllability of Systems, Lighting: Most credit requirements will be met with ASHRAE 90.1 Code compliant design and lighting controls.

IEQ Credit 6.2 Controllability of Systems, Thermal Comfort: MEE

MEE will design systems to include controls for thermal comfort.

IEQ Credit 7.1 Thermal Comfort, Design: MEE

IEQ Credit 7.2 Thermal Comfort, Verification

#### **INNOVATION+DESIGN/REGIONAL PRIORITY**

INNOVATION+DESIGN Credit 1 Green Housekeeping: HOK

HOK will provide the Blackhawks with appropriate information for implementation of green housekeeping program by building janitorial and/or operational staff to see if they currently operate under these approaches.

INNOVATION+DESIGN CREDIT 2 LEED Accredited Professional: HOK

HOK will provide the LEED AP certificates.

REGIONAL PRIORITY Credit 1.1 SS4.1 Public Transportation Access

If this credit is met in SS4.1 of the LEED Rating System Checklist, the Regional Priority Credit will be met.

REGIONAL PRIORITY Credit 1.2 SS7.2 Heat Island Effect – Roof

If this credit is met in SS7.2 of the LEED Rating System Checklist, the Regional Priority Credit will be met.

REGIONAL PRIORITY Credit 1.3 SSc3 Brownfield Redevelopment

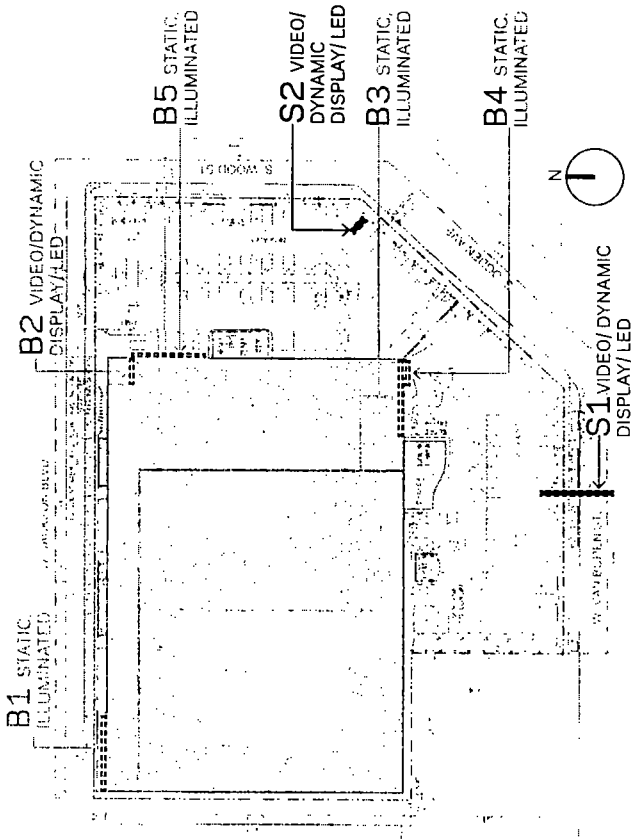
If this credit is met in SSc3 of the LEED Rating System Checklist, the Regional Priority Credit will be met.

REGIONAL PRIORITY Credit 1.4 SSc4.3 Low-Emitting and Fuel Efficient Vehicles

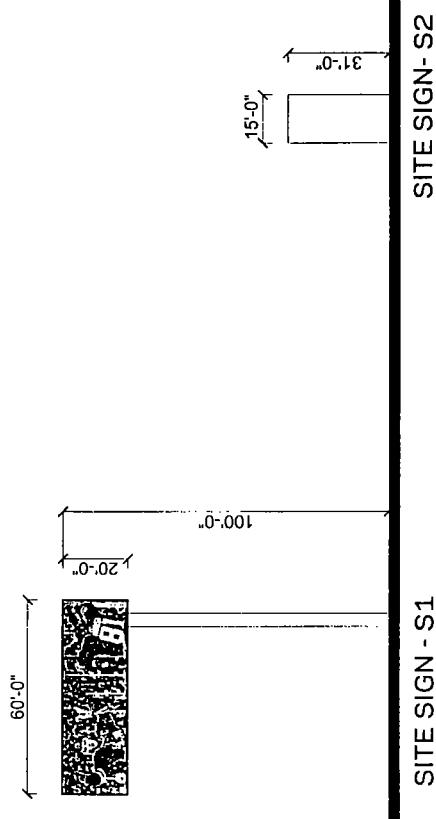
If this credit is met in SSc4.3 of the LEED Rating System Checklist, the Regional Priority Credit will be met.



## **Signage Plan and Matrix**



SIGNAGE KEYPLAN



PLANNED DEVELOPMENT SIGNAGE MATRIX

SIGN TYPE & DESCRIPTION	AREA (SF)	COMMENTS
<b>BUILDING SIGNAGE</b>		
B1: STATIC, ILLUMINATED	500 SF	BRANDED WALL MOUNTED LETTERING AND/OR LOGO; STATIC, ILLUMINATED; NORTH ELEVATION
B2: VIDEO/DYNAMIC DISPLAY/LED	600 SF	BRANDED WALL MOUNTED LETTERING AND/OR LOGO; VIDEO/DYNAMIC DISPLAY/LED; NORTH ELEVATION UNDER ROOF OVERHANG
B3: STATIC, ILLUMINATED	1,000 SF	BRANDED ROOF MOUNTED LETTERING AND/OR LOGO; DOUBLE SIDED; STATIC, ILLUMINATED; SOUTH ELEVATION
B4: STATIC, ILLUMINATED	150 SF	BRANDED WALL MOUNTED LETTERING AND/OR LOGO; ILLUMINATED; SOUTH ELEVATION
B5: STATIC, ILLUMINATED	500 SF	BRANDED WALL MOUNTED LETTERING AND/OR LOGO; STATIC, ILLUMINATED; EAST ELEVATION
<b>SITE SIGNAGE</b>		
S1: VIDEO/DYNAMIC DISPLAY/LED	1,200 SF (1 SIDE COUNTED)	100' HIGH POST MOUNTED VIDEO/DYNAMIC DISPLAY/LED SIGN, 1,200 SF PER SIDE; DOUBLE-SIDED INTERNALLY ILLUMINATED; OFF OF W. VAN BUREN ST
S2: VIDEO/DYNAMIC DISPLAY/LED	511.5 SF (2 SIDES COUNTED, 465 + 46.5)	VERTICAL FOUR-SIDED SIGNAGE, RECTANGULAR - 465 SF WIDE SIDE (VIDEO/DYNAMIC DISPLAY/LED), 46.5 SF THIN SIDE (STATIC, ILLUMINATED); CONCRETE PAD MOUNTED, AT THE CORNER OF S. OGDEN AVE. AND S. WOOD ST
	4,461.5 SF	TOTAL AREA (SF) - BUILDING & SITE SIGNAGE

NOTES

- REFER TO INCLUDED PLAN FOR KEYED SIGN LOCATIONS.
- THE FOLLOWING SIGNAGE TYPES ARE PERMITTED AND ARE EXCLUDED FROM CALCULATION OF THE AREA (SF) MAXIMUM. SIGN SIGNAGE MAY BE ADDED IN THE DISCRETION OF THE APPLICANT AND SHALL BE PERMITTED.
  - A. DIRECTIONAL, PUBLIC INFORMATIONAL, ACCESSIBILITY SIGNAGE, ETC., AND SIGNAGE REQUIRED BY LAW.
  - B. INTERIOR SIGNAGE
  - C. INCIDENTAL, PORTABLE, TEMPORARY, SEASONAL, SPECIAL EVENT, BRANDED DIRECTIONAL OR SPECIFIC LOCATION, MOBILE FOOD AND BEVERAGE SIGNS, BRANDED BANNERS
  - D. SIGNAGE PROMOTING OWNERS' SIGNAGE RELATING TO EVENTS IN THE PLANNED DEVELOPMENT, SIGNAGE RELATED TO THE HOCKEY TEAM PLAYING IN THE FACILITY AND/OR CONTAINING ITS LOGO.
- SQUARE FOOTAGE LISTED IS APPROXIMATE. FOR EXAMPLE, AS BUILDING NAMING AND SPONSORSHIP ARE IDENTIFIED OR MODIFIED, ADDITIONAL SIGNAGE MAY BE ADDED AND SIGNS MAY BE MODIFIED TO REFLECT THE SPONSORS NAME AND MAY BE LARGER OR SMALLER.
- ANY SIGN IN THIS SECTION MAY INCLUDE THIRD PARTY BRANDING FOR THE AVOIDANCE OF DOUBT AND WITHOUT LIMITING THE FORGOING SIGNS WHICH ARE BLACKHAWKS BRANDED ARE ALLOWED, EVEN IF A THIRD PARTY LOGO OR IDENTIFICATION ALSO APPEARS ON THE SIGN

SITE SIGNAGE PLAN & MATRIX

## Survey



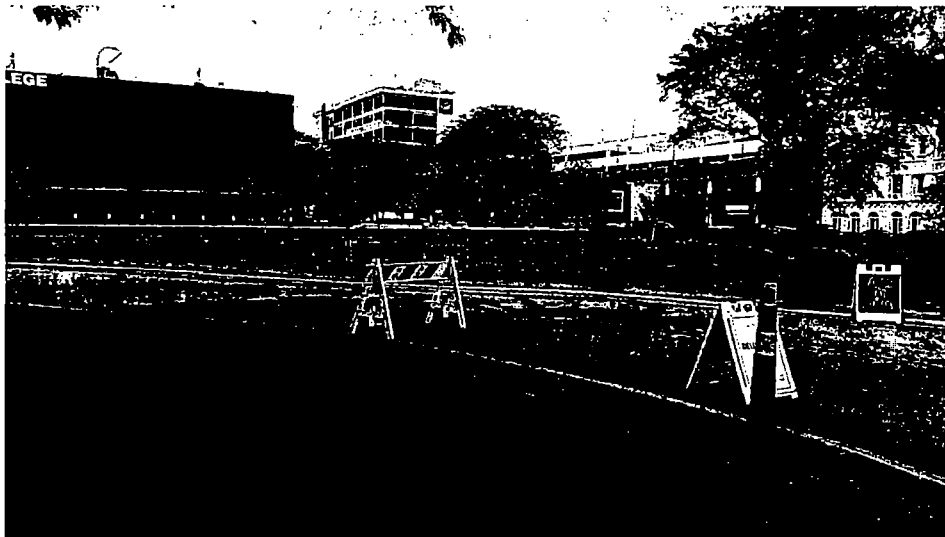




## Existing Conditions Photos

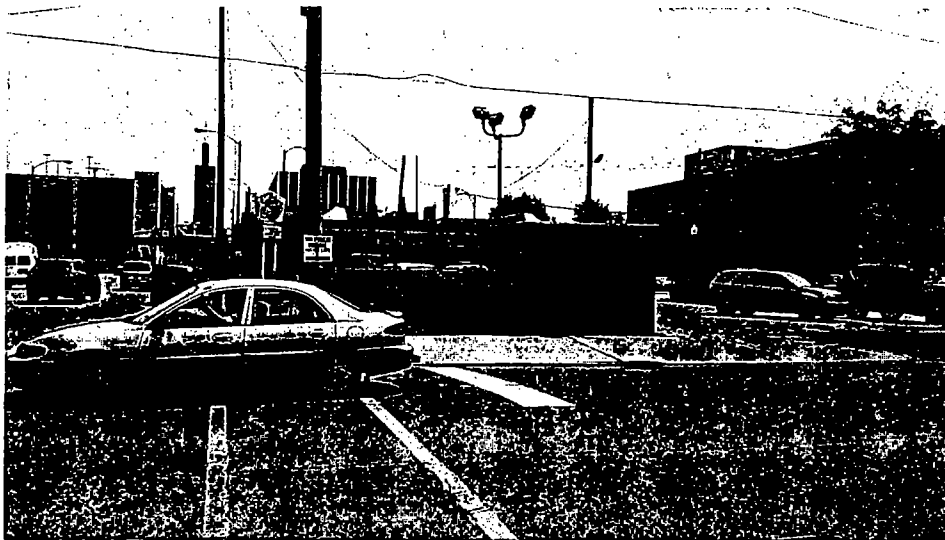


CORNER OF JACKSON BLVD. AND WOOD ST. LOOKING SW



WOOD STREET LOOKING NW

## EXISTING SITE IMAGES



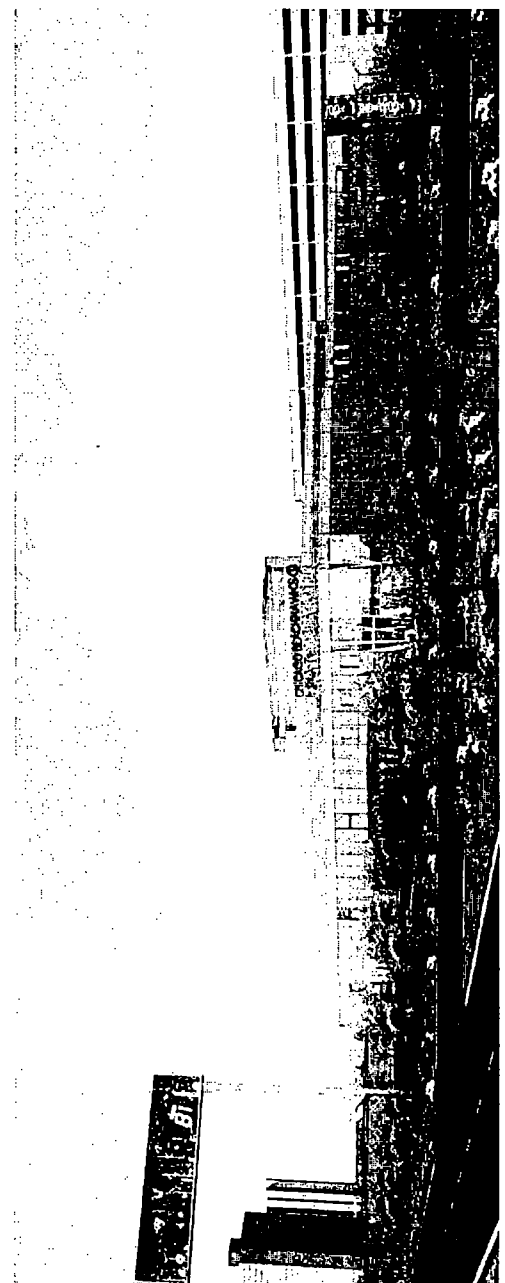
CORNER OF JACKSON BLVD. AND WOOD ST. LOOKING EAST



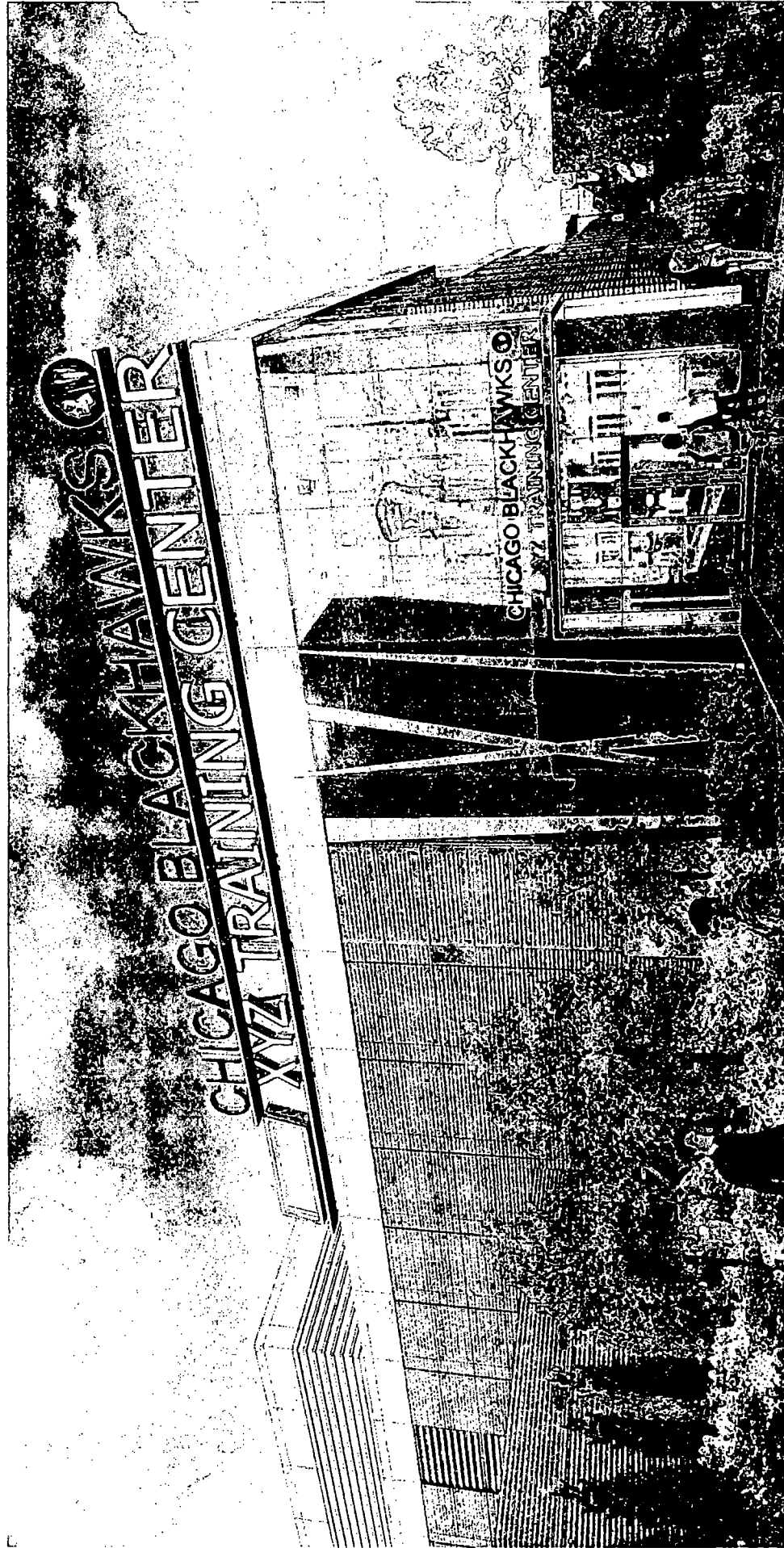
WOOD STREET LOOKING SOUTH

## EXISTING SITE IMAGES

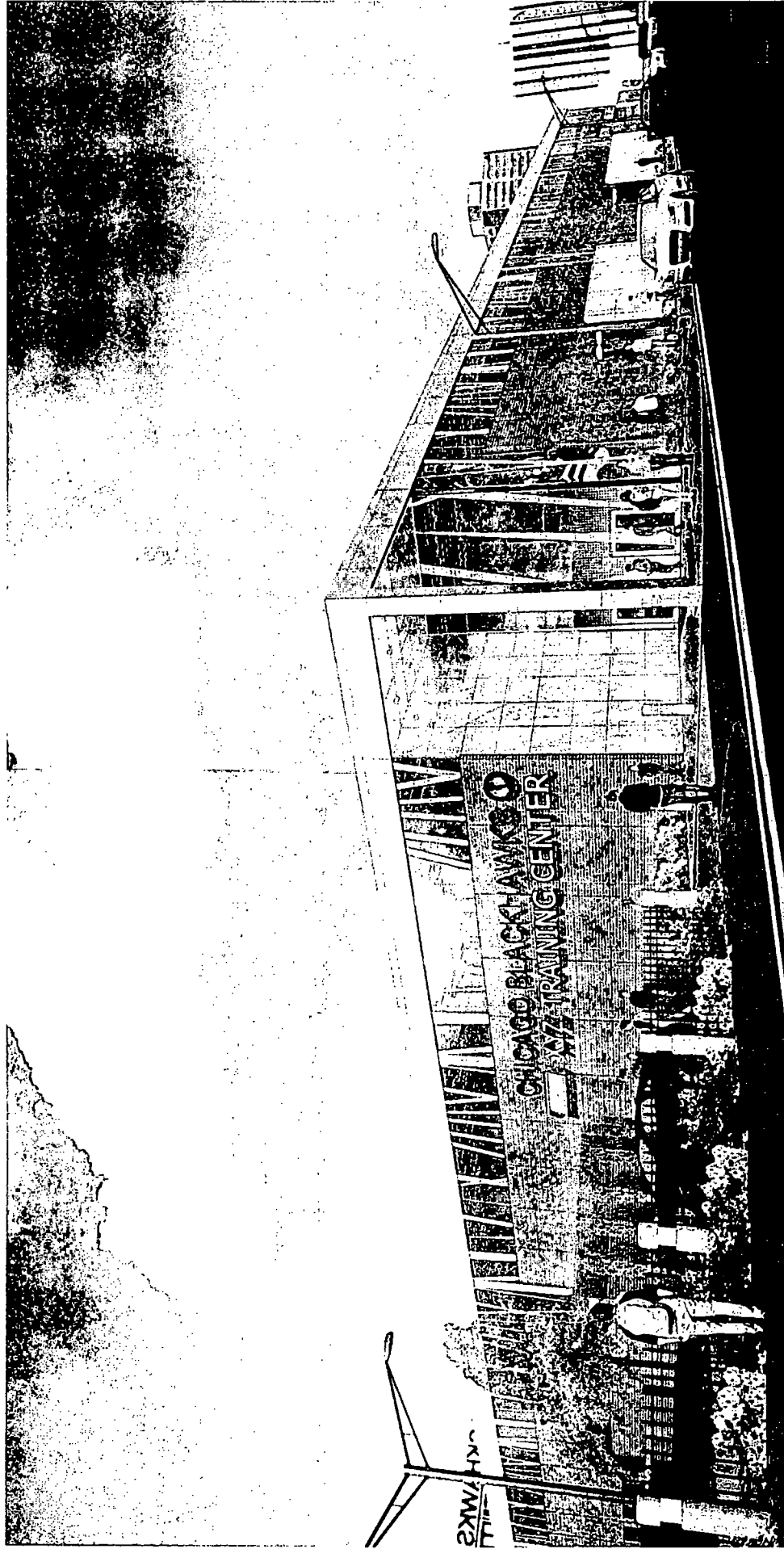
## Renderings



# SITE SIGNAGE RENDERINGS



PRIVATE ENTRY PERSPECTIVE



PUBLIC ENTRY PERSPECTIVE





NORTHWEST CORNER PERSPECTIVE

## **Traffic Study**

Sam  
Schwartz  
Engineering  
D.P.C.

**Blackhawks Practice Facility**  
**Traffic Impact Study**  
**Chicago, Illinois**  
**November 2015**



## INTRODUCTION

Sam Schwartz Engineering, DPC (SSE) was retained by Blackhawks Community Ice Rink, LLC to conduct a traffic impact study for the proposed Blackhawks Practice Facility on Jackson Boulevard at its intersection with Wood Street in Chicago, Illinois. The site is also bounded by Ogden Avenue and Van Buren Street. The site location is illustrated on *Figure 1*.

As proposed, the project development consists of an approximate 135,985 square-foot structure containing two sheets of ice with public space, as well as private space for the Chicago Blackhawks. A surface parking lot is proposed on the east and south sides of the building with parking for 127 vehicles, of which 56 spaces will occasionally be gated off for private team parking use. Access to the site will be provided on Jackson Boulevard, Wood Street, and Van Buren Street. It is expected that there will be significant drop-off and pick-up activity at the site for youth hockey events so two loading areas are proposed to maximize drop-off options for youth participants.

The following report presents and documents SSE's methodology, data collection, analyses, and identifies improvements, as necessary, to mitigate impacts the development's traffic may have on the local transportation system.

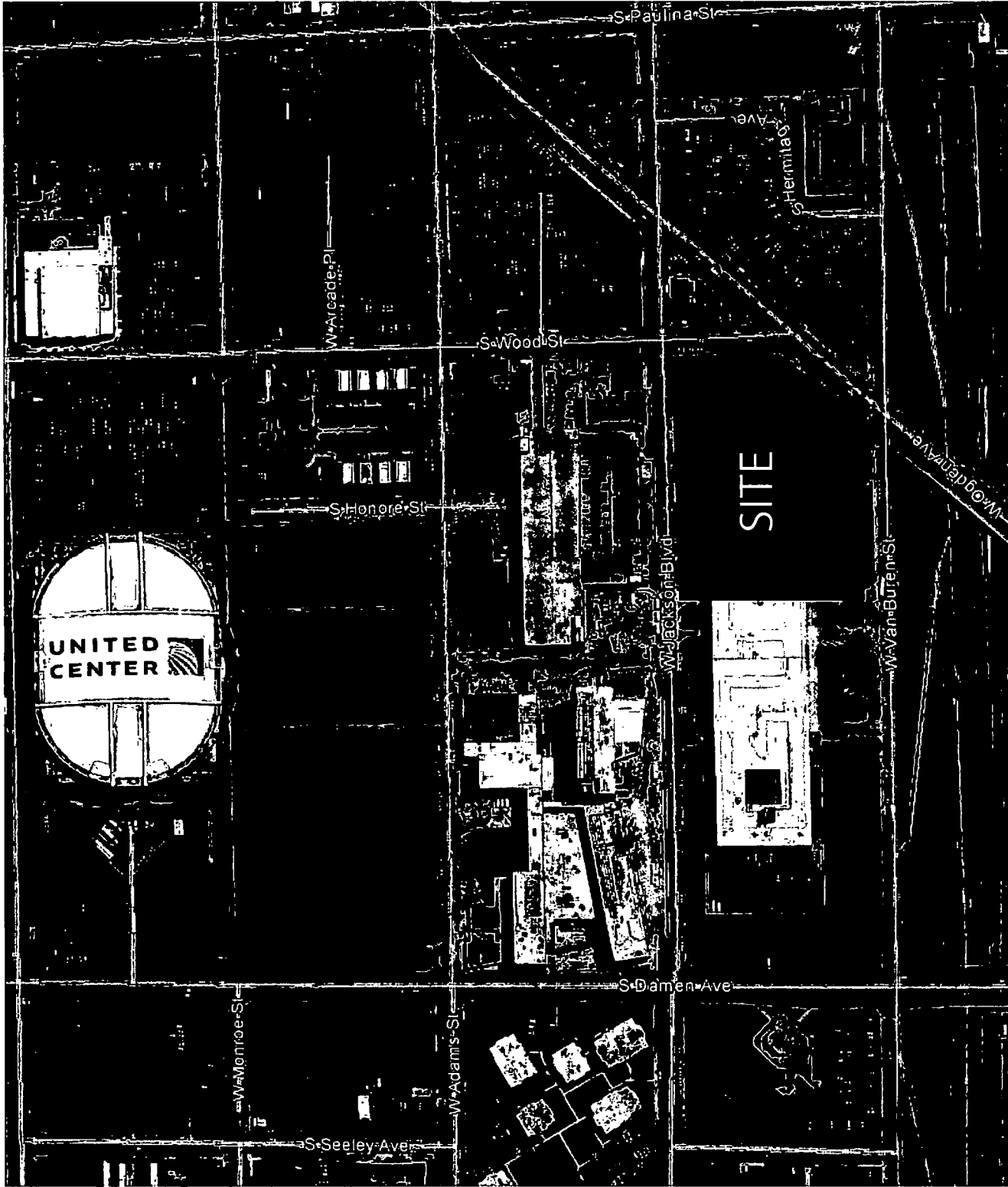


Figure 1  
Site Location

## EXISTING CONDITIONS

SSE conducted field visits to collect relevant information pertaining to existing land uses in the area, the surrounding street network, transit connections, existing pedestrian, and traffic volumes, traffic controls, and lane geometry and infrastructure at all critical intersections. This section of the report provides a description of these existing characteristics.

### Site Location

The site is located at Wood Street and Ogden Avenue, between Jackson Boulevard and Van Buren Street. The site is located on the eastern portion of the Malcolm X College site, which currently occupies the entirety of the block from Damen Avenue to Wood Street. There are two parking lots that serve the current structure, each with a capacity of 68 parking spaces. One surface lot can be accessed on Damen Avenue, while the other can be accessed on Wood Street.

### Malcolm X College

Construction of the new Malcolm X College is currently on-going and the building is expected to open for the start of Spring classes in January 2016. The new building is being built directly across the street from the current college on the north side of Jackson Boulevard. The college's new parking garage structure is complete and open. Access is provided currently on Wood Street and Jackson Boulevard. An additional access point will be opened on Adams Street once construction of the main building is complete.

### Existing Street Characteristics

*Jackson Boulevard* is an east-west major collector that serves the site's northern boundary. Jackson Boulevard is a one-way eastbound street (east of Damen Avenue) and a two-way street west of Damen Avenue. Its intersections with Damen Avenue and Ogden Avenue are signalized, and traffic is free flow at its intersection with Wood Street. All intersections provide high-visibility, continental crosswalks (ladder-style), with the exception of the north and south legs of Wood Street which provide standard crosswalks. Parallel parking is provided on both sides of Jackson Boulevard, between Damen Avenue and Wood Street. A one-way buffered bike lane runs along the north side of Jackson Boulevard, east of Damen Avenue. The assumed speed limit on Jackson Boulevard is 30 miles per hour (mph) and it is under the jurisdiction of the Chicago Department of Transportation (CDOT).

*Van Buren Street* is a one-way westbound street that runs parallel to the Eisenhower Expressway (I-290) and serves the site's southern boundary with two travel lanes. Its intersections with Damen Avenue and Ogden Avenue are signalized, and provide continental crosswalks. Free parallel parking is provided on the north side of Van Buren Street between Damen Avenue and Ogden. Parking is prohibited on the south side of the street. The assumed speed limit on Van Buren Street is 30 mph and it is under the jurisdiction of CDOT. An I-290 (WB) exit ramp is located between Damen Avenue and Ogden Avenue on Van Buren Street and an I-290 (WB) entrance ramp is located just west of Damen Avenue.

*Damen Avenue* is a two-way north-south major collector located east of the project site. It is signalized at its intersections with Jackson Boulevard and Van Buren Street. Continental crosswalks are provided at both intersections, with the exception of the south leg of Van Buren, where a crosswalk is not provided. On-street parking is not allowed on Damen Avenue. The assumed speed limit on Damen Avenue is 30 mph and it is under the jurisdiction of CDOT.

*Wood Street* is a two-way north-south local street with free parallel parking on both sides of the street. It serves as the site's eastern border. Its intersections with Jackson Boulevard and Ogden Avenue are under stop control. The posted speed limit on Wood Street is 30 mph and it is under the jurisdiction of CDOT.

*Ogden Avenue* is a two-way, two-lane northeast-southwest major collector with parallel parking on both sides of the street. Its intersections with Van Buren Street and Jackson Boulevard are signalized, and it is free-flow at its intersection with Wood Street. The west side of the street is a shared bicycle lane marked by shared lane bicycle markings. The assumed speed limit on Ogden Avenue is 30 mph and it is under the jurisdiction of the Illinois Department of Transportation.

#### Existing Transit Characteristics

The site is served by public transit with access to CTA Blue Line service at Illinois Medical District and two bus routes. A Pink Line station at Polk Street and Paulina Street is 1/2-mile (10 minute walk) from the site. The bus routes (Numbers 50 and 126) run along Damen Avenue, Jackson Boulevard, and Van Buren Street. Both routes have bus stops that are within two blocks of the site.

Divvy, Chicago's bike share system, has 3 stations within a 10-minute walk of the site at the following locations:

- Damen Avenue & Madison Street
- Ogden Avenue & Congress Parkway
- Jackson Boulevard & Loomis Street

#### Existing Traffic Volumes

Existing traffic volumes were determined by manual traffic counts conducted in October 2015 during the weekday morning (7:00 to 9:00 AM) and weekday evening (4:00 to 6:00 PM) peak periods at the following intersections:

- Jackson Boulevard & Damen Avenue
- Jackson Boulevard & Wood Street
- Jackson Boulevard & Ogden Avenue
- Van Buren Street & Damen Avenue
- Van Buren Street & Ogden Avenue
- Ogden Avenue & Wood Street

The existing peak hour traffic volumes are illustrated on *Figure 2* and the existing peak hour pedestrian volumes are illustrated on *Figure 3*. Summaries of the traffic count data are contained in the Appendix of this report.

### Existing Operations

The effectiveness of an intersection's operation is measured in terms of Level of Service ("LOS"). LOS ranges from LOS "A" to LOS "F" with LOS "A" being the best level of operation for an intersection and LOS "F" being the worst. LOS "A" represents free flow conditions where the general level of comfort and convenience experienced by motorists is excellent.

An intersection capacity analysis was utilized to analyze the intersection for the weekday peak hours using SYNCHRO and based on the methodologies outlined in the *Highway Capacity Manual (HCM)*<sup>1</sup>. All intersections are signalized, with the exception of Wood Street at Jackson Boulevard and Ogden Avenue. Summaries of the capacity analysis results for all study intersections under existing conditions are presented in Table 1. The SYNCHRO worksheets containing the intersection analyses are included in the Appendix. As the table shows, all intersections and intersection movements operate at LOS C or better with the exception of westbound Van Buren at Damen.

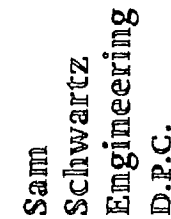
Table 1: Existing Level-of-Service Summary

Intersection/Lane	Time of Day			
	Weekday AM Peak Hour		Weekday PM Peak Hour	
	Delay <sup>A</sup>	LOS <sup>B</sup>	Delay	LOS
Jackson Blvd at Damen Ave				
Jackson Ave EB	12.1	B	14.6	B
Damen Ave NB	14.4	B	23.5	C
Damen Ave SB	15.4	B	15.9	B
Overall Intersection	14.4	B	19.9	B
Jackson Blvd at Wood St				
Wood St NB	15.8	C	15.3	C
Wood St SB	16.4	C	15.5	C
Jackson Blvd at Ogden Ave				
Jackson Blvd EB	22.1	C	22.8	C
Ogden Ave NB	3.5	A	12.1	B
Ogden Ave SB	14.3	B	15.3	B
Overall Intersection	11.3	B	15.7	B
Van Buren St at Damen Ave				
Van Buren St WB	31.2	C	35.9	D
Damen Ave NB	15.3	B	13.1	B
Damen Ave SB	18.5	B	18.2	B
Overall Intersection	21.7	C	21.7	C
Van Buren St at Ogden Ave				
Van Buren St WB	13.2	B	22.2	C
Ogden Ave NB	13.5	B	15.3	B
Ogden Ave SB	9.6	A	1.1	A
Overall Intersection	11.6	B	9.7	A
Ogden Ave at Wood St				
Wood St SB	13.4	B	13.5	B

<sup>A</sup> Average control delay in seconds per vehicle. <sup>B</sup> Level of service.

<sup>1</sup>Highway Capacity Manual, Transportation Research Board, National Research Council, Washington, D.C., 2010.



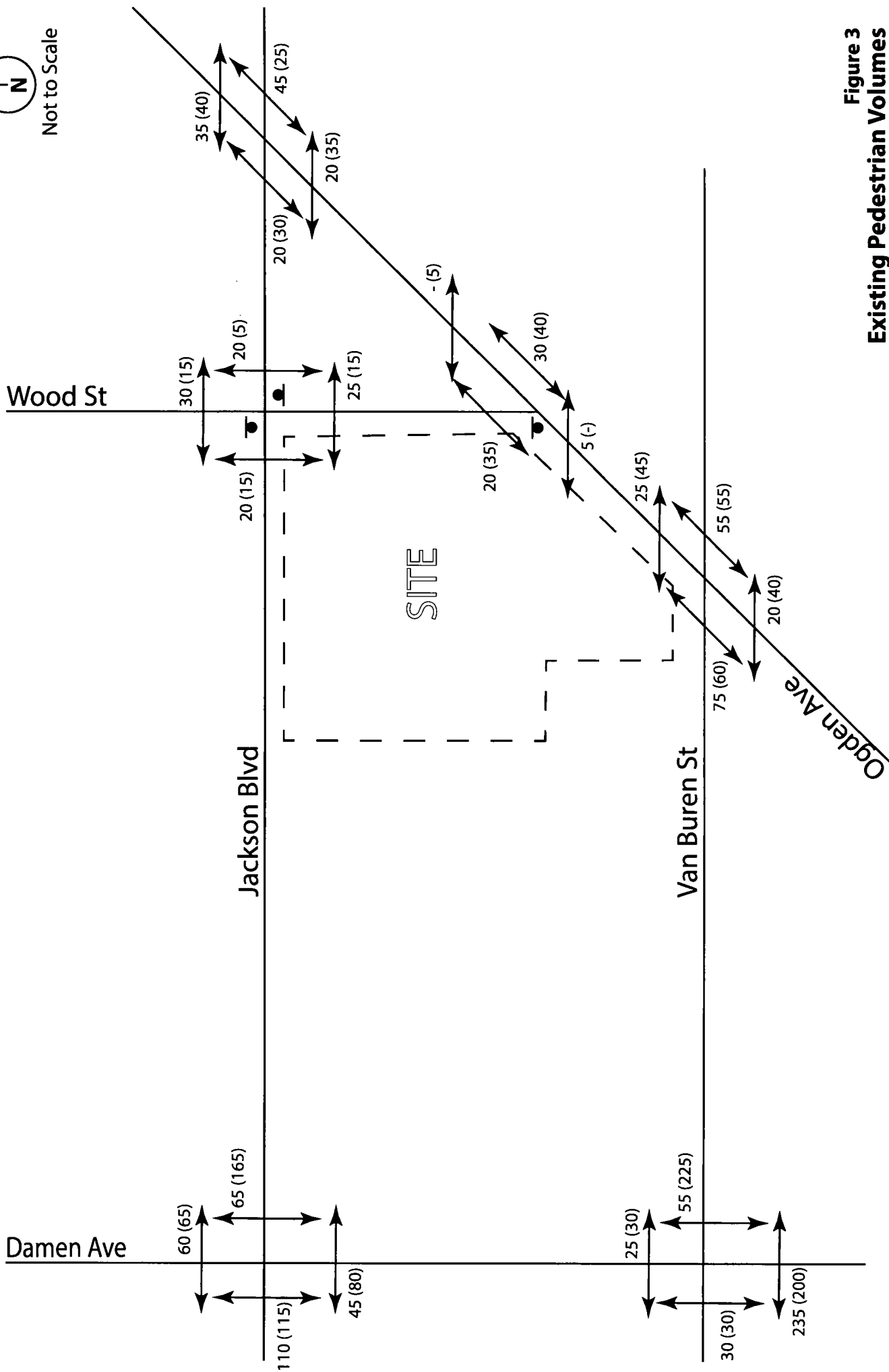


### Figure 2 Existing Traffic - Weekday

xx = Weekday AM Peak Hour  
(xx) = Weekday PM Peak Hour



Not to Scale



**Figure 3**  
**Existing Pedestrian Volumes**

xx = Weekday AM Peak Hour  
(xx) = Weekday PM Peak Hour  
● = Existing Stop Sign

## FUTURE TRAFFIC CHARACTERISTICS

This section of the report presents the traffic characteristics associated with the proposed development. This includes discussions regarding background traffic conditions, site development plans, site-generated traffic volumes and their distributions on the surrounding roadway network. Site access, site traffic assignment and future traffic volumes is also discussed.

### Development Plans

The existing Malcolm X College building will be eliminated to accommodate the proposed development of the Blackhawks Practice Facility. The block is currently occupied by a single building situated at the center of the block, with parking lots accessible via Wood Street and Damen Avenue. As proposed, the eastern 4 acres of the site adjacent to Wood Street and Ogden Avenue will be developed as a practice facility for the Chicago Blackhawks. The project will consist of 135,985 square feet of practice facility with a surface lot containing 127 parking spaces with access on Jackson Boulevard, Wood Street and Van Buren Street. A sliding security gate is proposed that would provide privacy for the players and separate 56 spaces on the southern side of the building from the public lot during practices. During those times, the team lot will be accessed on Van Buren Street and access to the remaining public parking spaces will be provided on Jackson Boulevard and Wood Street. Generally, for all other activities at the rink, the security gate will be open and all site parking will be open to visitors.

As proposed, passenger drop-off and pick-up will occur on the south side of Jackson Boulevard in a designated loading zone along the curb accommodating approximately 5 vehicles. Vehicles can also pull into the lot and drop-off at the front entrance on-site within a layby loading area. The new facility also includes parking space for 26 bicycles. Construction of the practice facility is expected to be complete in 2017.

### Background Traffic

Based on discussions with CDOT, specific development plans in the immediate area are unavailable at this time. However, in order to account for other area growth that may occur prior to completion of the project, background traffic growth in the area was included in the analysis. Based on SSE's work for the Illinois Medical District (IMD) and according to the IMD Traffic and Parking Impact Study conducted by SSE in 2012, a background growth factor of 4 percent was included in the analysis to account for growth associated with area development to Year 2017.

### Trip Generation

The estimates of traffic to be generated by the site are based upon the proposed land use type and size. The ITE Trip Generation manual was used to estimate a base volume of traffic generated by a community ice skating rink use with a spectator capacity of approximately 300 per rink. The ITE report is a compilation of national traffic data surveys utilized to estimate traffic volumes for various land uses. However, because these rates reflect a small sample size and only a portion of the site's ultimate use, they were only used as a base and were adjusted. The following are key traffic characteristics of the proposed use:

- SSE conducted a survey of a Chicago Blackhawks practice. Blackhawks practices typically occur at 11:00 AM and, therefore, do not contribute much traffic during the AM and PM peak “rush” hours of the street. During the observed practice, approximately 50 spectators and a public parking demand of 35 vehicles were noted. They arrived well after 9:00 AM.
- Community and youth hockey games will generate very little traffic during the morning peak hour of the street.
- There will be occasional special events at the facility where the ice is covered and used to accommodate a banquet-type function. Current code assessments have the maximum occupancy at 2,800 for a “banquet use” which may occur a few times a year. During these times, primarily in the evenings and on weekends, it is anticipated that the Malcolm X College parking garage and a portion of the United Center south parking lots will be available to accommodate overflow parking demand.

The trip generation estimates are detailed in Table 2 and represent a typical day at the facility with a Blackhawks practice scheduled late morning and evening community hockey games.

Table 2: Trip Generation – Typical Weekday

Land Use	Weekday AM Peak Hour			Weekday PM Peak Hour		
	In	Out	Total	In	Out	Total
Blackhawks Community Ice Rink	10	5	15	50	25	75

#### Directional Distribution

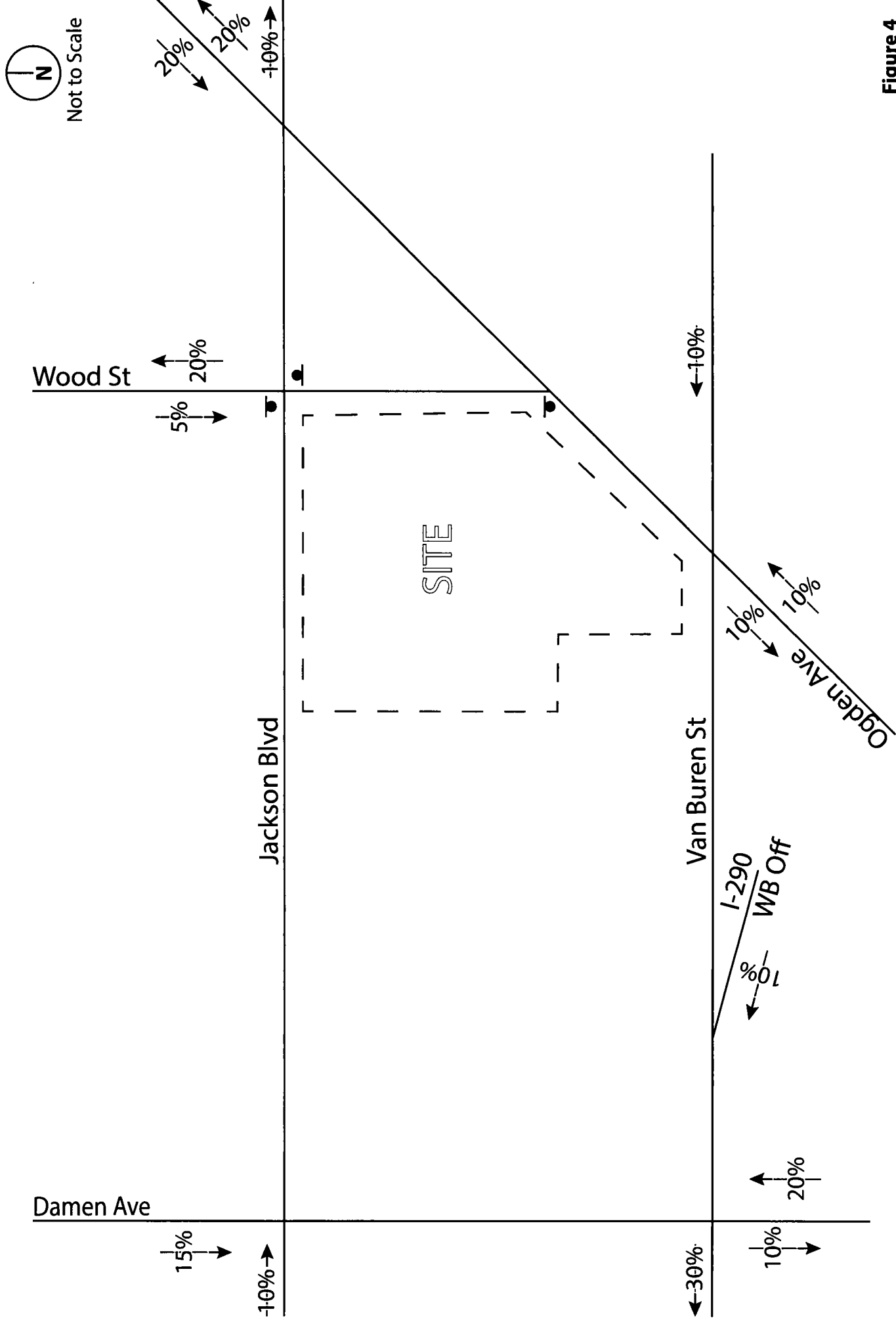
The directional distribution of the site-generated traffic is a function of several variables, including the existing traffic volumes, the existing street and traffic control system, and area peak hour congestion. The anticipated directional distribution of the site traffic is shown on *Figure 4*.

#### Site Traffic Assignment

Based on the direction of travel, the site-generated trips were assigned to the roadway network by utilizing the site estimated trips listed in Table 2 and the directional distribution shown in *Figure 4*. The site traffic assignment is illustrated on *Figure 5*.

#### Total Traffic Assignment

The total traffic assignment represents the overall projected traffic volumes upon full construction of the project and was determined by combining the site-generated volumes (*Figure 5*) plus the existing traffic (*Figure 2*), as well as projected growth of 2 percent per year to 2017, or 4 percent total. The total traffic volumes are shown on *Figure 6*.



Not to Scale

**Figure 4**  
**Directional Distribution**  
 xx% = Percent Passenger Car Distribution  
 —●— = Existing Stop Sign



Not to Scale

Wood St

Jackson Blvd

Van Buren St

Damen Ave

Ogden Ave

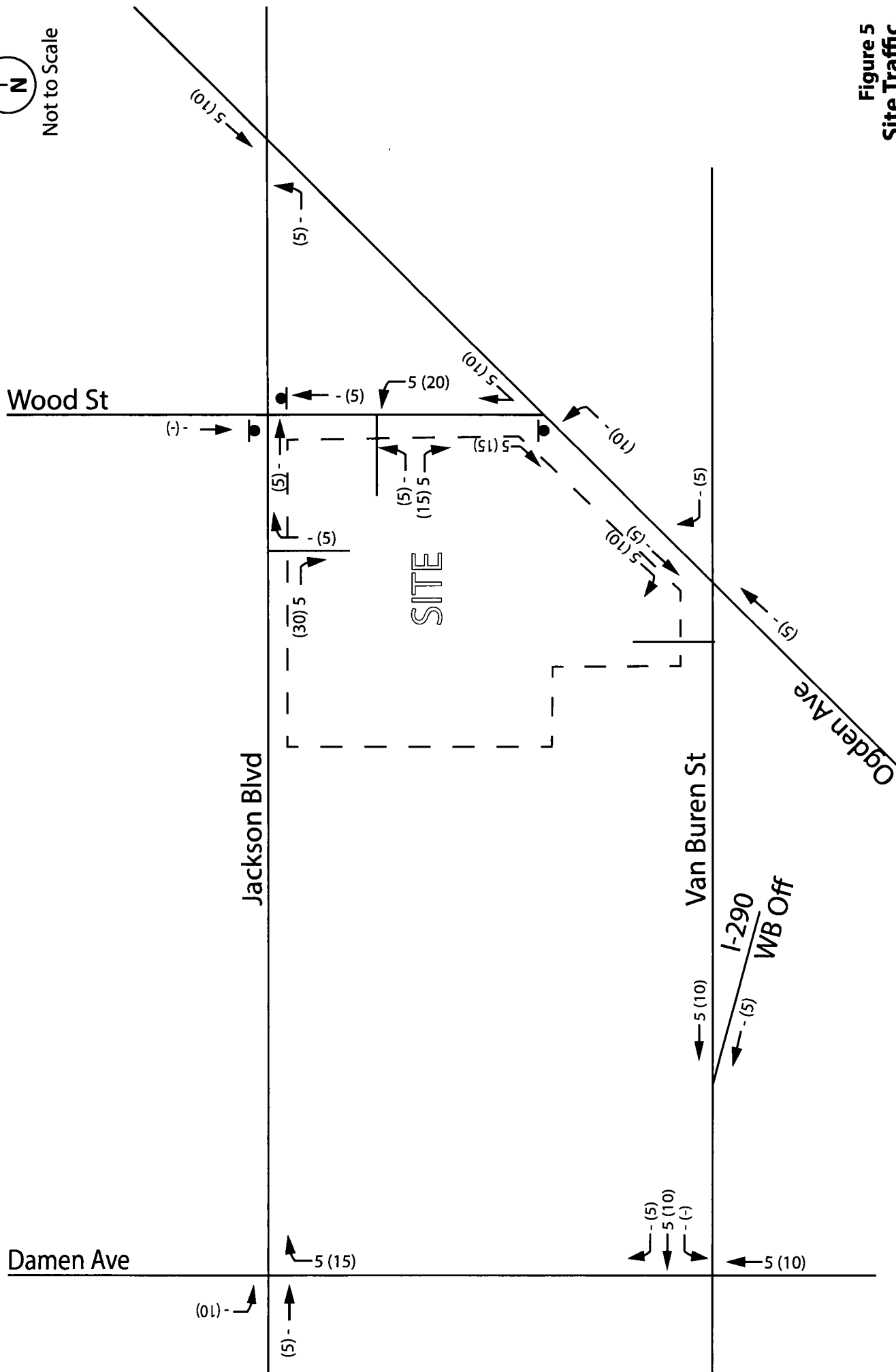
I-290  
WB Off

SITE

**Figure 5**  
**Site Traffic**

xx = Weekday AM Peak Hour  
(xx) = Weekday PM Peak Hour  
- = Less than 5 vehicles

Sam  
Schwartz  
Engineering  
D.P.C.





Not to Scale

Wood St

Jackson Blvd

Van Buren St

Damen Ave

SITE

Ogden Ave

I-290  
WB Off

25 (30)  
930 (855)  
50 (95)

(80) 115  
(245) 230  
(30) 30

235 (240)  
745 (1305)  
45 (85)

260 (160)  
700 (725)  
240 (450)  
260 (510)  
535 (110)

785 (1180)  
245 (210)

300 (465)

735 (605)

55 (50)  
30 (40)

(40) 80  
(495) 375  
(20) 55  
(5)

(550) 510  
(30) 5

(5) -  
(15) 5

(115) 50  
(415) 350  
(10) 10

5 (5)  
80 (70)  
10 (20)  
890 (1000)

890 (1010)  
10 (10)

75 (65)  
5 (20)

115 (85)

90 (30)  
75 (165)  
50 (70)

(70) 75  
(970) 910

200 (260)  
800 (820)

(40) 25  
(1010) 895

Figure 6  
Total Traffic

xx = Weekday AM Peak Hour  
(xx) = Weekday PM Peak Hour

## ANALYSIS

Analyses were conducted to determine whether the adjacent roadway network would be able to accommodate the needs of the proposed development. The analyses looked at impacts to adjacent uses, intersection capacity, on-street parking restrictions, site plan, and pedestrian considerations.

### Capacity Analysis

Capacity analyses were conducted using SYNCHRO to assess future traffic conditions of the weekday morning and evening peak hours based on the methodologies outlined in the *Highway Capacity Manual*. Summaries of the capacity analysis results indicating the LOS for all study intersections under future conditions are presented in Table 3. All output worksheets used for these analyses are contained in the Appendix.

Comparison of existing and future conditions capacity analyses show that overall intersection and individual approaches will continue to operate at the same LOS in the future and the intersections will experience minimal increases in delay as a result of the proposed project. No intersection traffic improvements are required as a result of the project. All movements at the proposed site access driveways are projected to operate well (LOS A or B).



Table 3: Future Level-of-Service Summary

Intersection/Lane	Time of Day			
	Weekday AM Peak Hour		Weekday PM Peak Hour	
	Delay <sup>A</sup>	LOS <sup>B</sup>	Delay	LOS
Jackson Blvd at Damen Ave				
<b>Jackson Ave EB</b>	12.3	B	14.9	B
<b>Damen Ave NB</b>	14.9	B	29.7	C
<b>Damen Ave SB</b>	15.9	B	19.3	B
Overall Intersection	14.9	B	24.5	C
Jackson Blvd at Wood St				
<b>Wood St NB</b>	16.6	C	16.2	C
<b>Wood St SB</b>	17.3	C	16.6	C
Jackson Blvd at Ogden Ave				
<b>Jackson Blvd EB</b>	22.3	C	23.0	C
<b>Ogden Ave NB</b>	3.6	A	12.9	B
<b>Ogden Ave SB</b>	14.6	B	15.8	B
Overall Intersection	11.5	B	16.2	B
Jackson Blvd at Access Drive				
<b>Access Drive NB</b>	10.0	A	10.3	B
Van Buren St at Damen Ave				
<b>Van Buren St WB</b>	32.4	C	38.5	D
<b>Damen Ave NB</b>	16.7	B	13.9	B
<b>Damen Ave SB</b>	19.2	B	18.7	B
Overall Intersection	22.9	C	23.0	C
Van Buren St at Ogden Ave				
<b>Van Buren St WB</b>	13.2	B	22.0	C
<b>Ogden Ave NB</b>	13.8	B	16.0	B
<b>Ogden Ave SB</b>	10.1	B	1.3	A
Overall Intersection	12.0	B	10.0	B
Ogden Ave at Wood St				
<b>Wood St NB</b>	10.8	B	11.6	B
<b>Wood St SB</b>	14.0	B	14.4	B
Wood St at Access Drive				
<b>Wood St NB</b>	7.5	A	7.4	A
<b>Access Drive EB</b>	8.9	A	9.0	A

<sup>A</sup> Average control delay in seconds per vehicle.

<sup>B</sup> Level of service.

### Site Access

The site plan calls for three access drives, one on Jackson Boulevard, one on Wood Street and one on Van Buren Street. Each drive will operate with two-way traffic providing one inbound lane and one outbound lane under stop control. The plan provides good site accessibility by maximizing site access flexibility on the one-way street pair and maximizing the distance to external intersection locations. The site plan strategically locates driveways to minimize access points and protect the pedestrian environment surrounding the site. Deliveries and truck loading will occur on the south side of the building with access on Van Buren Street.

### Site Circulation & Youth Drop-Off/Pick-Up

Site circulation will occur via two-way drive aisles, each 22 feet wide. It is expected that there will be significant drop-off and pick-up activity at the site for youth hockey events. A 100-foot long loading area is proposed along the south side of Jackson Boulevard near the main public entrance to the building.

The loading area will occur on-street within the existing parking lane and will require No Parking signs. In addition, a layby drop-off area is proposed on the east side of the site near the front building entrance. This will provide for good site circulation as parents will be able to drop-off and circulate to park within the site or exit the site. Providing two different drop-off locations immediately adjacent to the front door maximizes options for youth participants as they are typically carrying large, heavy equipment.

#### Parking Analysis

In total, the site will provide 127 parking spaces. During Blackhawks practices, 56 spaces located on the southern side of the building that will be separated from the public lot by a sliding security gate. The remaining 71 parking spaces will be available for the public during those times. At all other times, the security gate will remain open leaving all 127 spaces available for site parking. Typical peak weekday *public* parking demand for both practices and community hockey games is expected to be between 35-60 vehicles; Saturday games and hockey tournaments will draw a slightly larger crowd with a parking demand of approximately 80 (ITE *Parking Generation*). For even larger special events that may occur occasionally throughout a year, overflow parking will be accommodated in the Malcolm X College parking garage via an agreement between the college and the facility, as well as use of the south United Center parking lots. Abundant street parking will also be used to accommodate this demand.

## CONCLUSION

This traffic impact study was conducted for the proposed development of the Blackhawks practice facility located at Wood Street and Ogden Avenue, between Jackson Boulevard and Van Buren Street. Based on the conducted analyses, the following conclusions were developed:

- Site traffic is well served and well distributed on the surrounding street network.
- Analyses have been conducted for all study intersections to determine the impact from the proposed development. Peak-hour volume increases on study-area roadways as a result of the development will have limited impact on intersection operations within the study area.
- Site access will adequately accommodate site traffic providing one inbound lane and one outbound lane at each driveway location.
- As part of the development plan, the following pedestrian and bike improvements are provided or recommended:
  - Provide two different drop-off locations (one on-street and one on-site) in order to maximize safe options for youth participants.
  - Eliminate approximately 5 parking spaces on the south side of Jackson Boulevard (currently free) to accommodate a loading zone designation for drop-off and pick-up.
  - Upgrade the existing crosswalks east-west across Wood Street at Jackson to high-visibility, continental crosswalks. Continental crosswalks are the standard CDOT design with 2-foot white bar markings that run parallel to traffic and perpendicular to the walking path.
  - Provide 26 bicycle parking spaces on the north side of the building along Jackson Boulevard.

## **APPENDICES**

**Traffic Counts  
Intersection Capacity Analysis Worksheets**

## Traffic Counts

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Jackson Blvd.

File Name : DAMEN@JACKSO

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

Groups Printed- CARS - TRUCKS - BUSES

	DAMEN AVE. From North					JACKSON BLVD. From East					DAMEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	5	214	6	33	258	0	0	0	36	36	18	242	16	53	329	31	29	2	32	94	717
07:15 AM	12	278	12	21	323	0	0	0	21	21	33	171	17	39	260	42	58	9	43	152	756
07:30 AM	4	202	8	2	216	0	0	0	5	5	81	195	7	5	288	10	60	12	16	98	607
07:45 AM	3	201	24	3	231	0	0	0	5	5	89	151	6	36	282	28	73	9	19	129	647
Total	24	895	50	59	1028	0	0	0	67	67	221	759	46	133	1159	111	220	32	110	473	2727
08:00 AM	1	178	16	7	202	0	0	0	6	6	75	180	3	19	277	11	69	12	7	99	584
08:15 AM	3	194	15	3	215	0	0	0	3	3	52	173	10	13	248	27	70	6	13	116	582
08:30 AM	6	195	15	10	226	0	0	0	11	11	67	178	7	8	260	17	79	7	14	117	614
08:45 AM	2	186	15	1	204	0	0	0	7	7	53	150	7	15	225	27	74	9	11	121	557
Total	12	753	61	21	847	0	0	0	27	27	247	681	27	55	1010	82	292	34	45	453	2337
** BREAK ***																					
04:00 PM	5	200	13	11	229	0	0	0	43	43	52	212	18	20	302	19	59	6	16	100	674
04:15 PM	6	206	15	13	240	0	0	0	43	43	64	216	22	23	325	17	57	7	13	94	702
04:30 PM	15	206	24	21	266	0	0	0	48	48	50	267	19	24	360	21	65	10	32	128	802
04:45 PM	6	205	30	17	258	0	0	0	32	32	51	211	21	44	327	20	51	8	56	135	752
Total	32	817	82	62	993	0	0	0	166	166	217	906	80	111	1314	77	232	31	117	457	2930
05:00 PM	11	204	24	5	244	0	0	0	17	17	51	193	18	10	272	11	48	3	28	90	623
05:15 PM	6	211	15	3	235	0	0	0	28	28	21	232	18	4	275	7	52	3	12	74	612
05:30 PM	9	168	23	7	207	0	0	0	17	17	32	237	14	8	291	16	57	2	35	110	625
05:45 PM	7	166	34	0	207	0	0	0	24	24	45	230	7	1	283	12	55	2	6	75	589
Total	33	749	96	15	893	0	0	0	86	86	149	892	57	23	1121	46	212	10	81	349	2449
Grand Total	101	3214	289	157	3761	0	0	0	346	346	834	3238	210	322	4604	316	956	107	353	1732	10443
Apprch %	2.7	85.5	7.7	4.2		0	0	0	100		18.1	70.3	4.6	7		18.2	55.2	6.2	20.4		
Total %	1	30.8	2.8	1.5	36	0	0	0	3.3	3.3	8	31	2	3.1	44.1	3	9.2	1	3.4	16.6	
CARS	98	3093	285	148	3624	0	0	0	272	272	819	3128	186	309	4442	311	912	105	244	1572	9910
% CARS	97	96.2	98.6	94.3	96.4	0	0	0	78.6	78.6	98.2	96.6	88.6	96	96.5	98.4	95.4	98.1	69.1	90.8	94.9
TRUCKS	1	73	2	9	85	0	0	0	73	73	9	63	1	13	86	2	5	1	109	117	361
% TRUCKS	1	2.3	0.7	5.7	2.3	0	0	0	21.1	21.1	1.1	1.9	0.5	4	1.9	0.6	0.5	0.9	30.9	6.8	3.5
BUSES	2	48	2	0	52	0	0	0	1	1	6	47	23	0	76	3	39	1	0	43	172
% BUSES	2	1.5	0.7	0	1.4	0	0	0	0.3	0.3	0.7	1.5	11	0	1.7	0.9	4.1	0.9	0	2.5	1.6

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Jackson Blvd.

File Name : DAMEN@JACKSO

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

## Groups Printed- CARS

	DAMEN AVE. From North					JACKSON BLVD. From East					DAMEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	4	208	6	33	251	0	0	0	35	35	18	232	15	52	317	31	27	2	29	89	692
07:15 AM	11	267	10	21	309	0	0	0	19	19	31	165	14	36	246	42	57	9	33	141	715
07:30 AM	4	192	8	0	204	0	0	0	3	3	78	184	6	5	273	10	55	12	3	80	560
07:45 AM	3	192	24	2	221	0	0	0	4	4	88	136	5	33	262	28	71	9	5	113	600
Total	22	859	48	56	985	0	0	0	61	61	215	717	40	126	1098	111	210	32	70	423	2567
08:00 AM	0	167	15	5	187	0	0	0	4	4	73	170	2	18	263	11	64	10	3	88	542
08:15 AM	3	183	15	3	204	0	0	0	3	3	51	168	7	12	238	27	63	6	4	100	545
08:30 AM	6	184	14	7	211	0	0	0	8	8	65	168	5	7	245	16	76	7	3	102	566
08:45 AM	2	173	15	1	191	0	0	0	3	3	51	141	6	13	211	26	71	9	4	110	515
Total	11	707	59	16	793	0	0	0	18	18	240	647	20	50	957	80	274	32	14	400	2168
** BREAK ***																					
04:00 PM	5	196	13	11	225	0	0	0	38	38	52	208	16	20	296	19	57	6	12	94	653
04:15 PM	6	201	15	13	235	0	0	0	41	41	64	211	20	23	318	17	55	7	10	89	683
04:30 PM	15	202	24	20	261	0	0	0	40	40	50	265	19	24	358	21	64	10	25	120	779
04:45 PM	6	195	30	17	248	0	0	0	20	20	50	207	18	44	319	20	48	8	50	126	713
Total	32	794	82	61	969	0	0	0	139	139	216	891	73	111	1291	77	224	31	97	429	2828
05:00 PM	11	202	24	5	242	0	0	0	10	10	51	188	18	9	266	10	46	3	21	80	598
05:15 PM	6	205	15	3	229	0	0	0	20	20	21	226	17	4	268	5	49	3	7	64	581
05:30 PM	9	164	23	7	203	0	0	0	12	12	31	232	12	8	283	16	55	2	31	104	602
05:45 PM	7	162	34	0	203	0	0	0	12	12	45	227	6	1	279	12	54	2	4	72	566
Total	33	733	96	15	877	0	0	0	54	54	148	873	53	22	1096	43	204	10	63	320	2347
Grand Total	98	3093	285	148	3624	0	0	0	272	272	819	3128	186	309	4442	311	912	105	244	1572	9910
Apprch %	2.7	85.3	7.9	4.1		0	0	0	100		18.4	70.4	4.2	7		19.8	58	6.7	15.5		
Total %	1	31.2	2.9	1.5	36.6	0	0	0	2.7	2.7	8.3	31.6	1.9	3.1	44.8	3.1	9.2	1.1	2.5	15.9	

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Jackson Blvd.

File Name : DAMEN@JACKSO

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

## Groups Printed- TRUCKS

	DAMEN AVE. From North					JACKSON BLVD. From East					DAMEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	1	4	0	0	5	0	0	0	1	1	0	7	0	1	8	0	0	0	3	3	17
07:15 AM	0	5	1	0	6	0	0	0	2	2	2	3	0	3	8	0	0	0	10	10	26
07:30 AM	0	7	0	2	9	0	0	0	2	2	3	8	0	0	11	0	0	0	13	13	35
07:45 AM	0	7	0	1	8	0	0	0	1	1	0	10	0	3	13	0	0	0	14	14	36
Total	1	23	1	3	28	0	0	0	6	6	5	28	0	7	40	0	0	0	40	40	114
08:00 AM	0	5	1	2	8	0	0	0	2	2	2	7	0	1	10	0	1	1	4	6	26
08:15 AM	0	9	0	0	9	0	0	0	0	0	0	3	1	1	5	0	1	0	9	10	24
08:30 AM	0	10	0	3	13	0	0	0	3	3	1	6	0	1	8	0	0	0	11	11	35
08:45 AM	0	4	0	0	4	0	0	0	4	4	1	7	0	2	10	1	2	0	7	10	28
Total	0	28	1	5	34	0	0	0	9	9	4	23	1	5	33	1	4	1	31	37	113
** BREAK ***																					
04:00 PM	0	2	0	0	2	0	0	0	5	5	0	1	0	0	1	0	0	0	4	4	12
04:15 PM	0	3	0	0	3	0	0	0	2	2	0	1	0	0	1	0	0	0	3	3	9
04:30 PM	0	2	0	1	3	0	0	0	7	7	0	1	0	0	1	0	0	0	7	7	18
04:45 PM	0	5	0	0	5	0	0	0	12	12	0	2	0	0	2	0	1	0	6	7	26
Total	0	12	0	1	13	0	0	0	26	26	0	5	0	0	5	0	1	0	20	21	65
05:00 PM	0	1	0	0	1	0	0	0	7	7	0	1	0	1	2	0	0	0	7	7	17
05:15 PM	0	4	0	0	4	0	0	0	8	8	0	3	0	0	3	1	0	0	5	6	21
05:30 PM	0	2	0	0	2	0	0	0	5	5	0	2	0	0	2	0	0	0	4	4	13
05:45 PM	0	3	0	0	3	0	0	0	12	12	0	1	0	0	1	0	0	0	2	2	18
Total	0	10	0	0	10	0	0	0	32	32	0	7	0	1	8	1	0	0	18	19	69
Grand Total	1	73	2	9	85	0	0	0	73	73	9	63	1	13	86	2	5	1	109	117	361
Apprch %	1.2	85.9	2.4	10.6		0	0	0	100		10.5	73.3	1.2	15.1		1.7	4.3	0.9	93.2		
Total %	0.3	20.2	0.6	2.5	23.5	0	0	0	20.2	20.2	2.5	17.5	0.3	3.6	23.8	0.6	1.4	0.3	30.2	32.4	



# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Jackson Blvd.

File Name : DAMEN@JACKSO

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

## Groups Printed- BUSES

	DAMEN AVE. From North					JACKSON BLVD. From East					DAMEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	2	0	0	2	0	0	0	0	0	0	3	1	0	4	0	2	0	0	2	8
07:15 AM	1	6	1	0	8	0	0	0	0	0	0	3	3	0	6	0	1	0	0	1	15
07:30 AM	0	3	0	0	3	0	0	0	0	0	0	3	1	0	4	0	5	0	0	5	12
07:45 AM	0	2	0	0	2	0	0	0	0	0	1	5	1	0	7	0	2	0	0	2	11
Total	1	13	1	0	15	0	0	0	0	0	1	14	6	0	21	0	10	0	0	10	46
08:00 AM	1	6	0	0	7	0	0	0	0	0	0	3	1	0	4	0	4	1	0	5	16
08:15 AM	0	2	0	0	2	0	0	0	0	0	1	2	2	0	5	0	6	0	0	6	13
08:30 AM	0	1	1	0	2	0	0	0	0	0	1	4	2	0	7	1	3	0	0	4	13
08:45 AM	0	9	0	0	9	0	0	0	0	0	1	2	1	0	4	0	1	0	0	1	14
Total	1	18	1	0	20	0	0	0	0	0	3	11	6	0	20	1	14	1	0	16	56
** BREAK ***																					
04:00 PM	0	2	0	0	2	0	0	0	0	0	0	3	2	0	5	0	2	0	0	2	9
04:15 PM	0	2	0	0	2	0	0	0	0	0	0	4	2	0	6	0	2	0	0	2	10
04:30 PM	0	2	0	0	2	0	0	0	1	1	0	1	0	0	1	0	1	0	0	1	5
04:45 PM	0	5	0	0	5	0	0	0	0	0	1	2	3	0	6	0	2	0	0	2	13
Total	0	11	0	0	11	0	0	0	1	1	1	10	7	0	18	0	7	0	0	7	37
05:00 PM	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	1	2	0	0	3	8
05:15 PM	0	2	0	0	2	0	0	0	0	0	0	3	1	0	4	1	3	0	0	4	10
05:30 PM	0	2	0	0	2	0	0	0	0	0	1	3	2	0	6	0	2	0	0	2	10
05:45 PM	0	1	0	0	1	0	0	0	0	0	0	2	1	0	3	0	1	0	0	1	5
Total	0	6	0	0	6	0	0	0	0	0	1	12	4	0	17	2	8	0	0	10	33
Grand Total	2	48	2	0	52	0	0	0	1	1	6	47	23	0	76	3	39	1	0	43	172
Apprch %	3.8	92.3	3.8	0		0	0	0	100		7.9	61.8	30.3	0		7	90.7	2.3	0		
Total %	1.2	27.9	1.2	0	30.2	0	0	0	0.6	0.6	3.5	27.3	13.4	0	44.2	1.7	22.7	0.6	0	25	

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Jackson Blvd.

File Name : WOOD@JACKSON

Site Code : 00000000

Start Date : 10/7/2015

Page No : 1

Groups Printed- CARS - TRUCKS - BUSES

Start Time	WOOD ST. From North					JACKSON BLVD. From East					WOOD ST. From South					JACKSON BLVD. From West					Int. Total
	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	
07:00 AM	1	7	3	3	14	0	0	0	4	4	2	17	0	1	20	2	35	8	1	46	84
07:15 AM	0	10	4	5	19	0	0	0	3	3	1	19	0	3	23	5	68	17	3	93	138
07:30 AM	0	15	9	5	29	0	0	0	5	5	1	31	0	6	38	4	66	12	5	87	159
07:45 AM	0	18	12	12	42	0	0	0	5	5	3	19	0	8	30	4	74	18	6	102	179
Total	1	50	28	25	104	0	0	0	17	17	7	86	0	18	111	15	243	55	15	328	560
08:00 AM	0	11	7	7	25	0	0	0	4	4	1	30	0	6	37	7	67	25	2	101	167
08:15 AM	0	19	5	9	33	0	0	0	7	7	2	20	0	5	27	6	77	21	3	107	174
08:30 AM	0	10	10	8	28	0	0	0	5	5	0	19	0	6	25	20	73	11	7	111	169
08:45 AM	0	10	6	8	24	0	0	0	2	2	0	32	0	9	41	20	84	20	7	131	198
Total	0	50	28	32	110	0	0	0	18	18	3	101	0	26	130	53	301	77	19	450	708
** BREAK ***																					
05:15 PM	0	18	12	6	36	0	0	0	1	1	3	28	0	3	34	8	63	5	5	81	152
05:30 PM	0	10	11	2	23	0	0	0	3	3	0	24	0	5	29	9	64	16	3	92	147
05:45 PM	0	16	15	5	36	0	0	0	1	1	0	15	1	5	21	2	60	13	5	80	138
Total	0	44	38	13	95	0	0	0	5	5	3	67	1	13	84	19	187	34	13	253	437
Grand Total	1	144	94	70	309	0	0	0	40	40	13	254	1	57	325	87	731	166	47	1031	1705
Apprch %	0.3	46.6	30.4	22.7		0	0	0	100		4	78.2	0.3	17.5		8.4	70.9	16.1	4.6		
Total %	0.1	8.4	5.5	4.1	18.1	0	0	0	2.3	2.3	0.8	14.9	0.1	3.3	19.1	5.1	42.9	9.7	2.8	60.5	
CARS	1	130	92	32	255	0	0	0	36	36	12	250	1	35	298	82	698	161	40	981	1570
% CARS	100	90.3	97.9	45.7	82.5	0	0	0	90	90	92.3	98.4	100	61.4	91.7	94.3	95.5	97	85.1	95.2	92.1
TRUCKS	0	2	1	38	41	0	0	0	4	4	1	2	0	22	25	1	6	5	7	19	89
% TRUCKS	0	1.4	1.1	54.3	13.3	0	0	0	10	10	7.7	0.8	0	38.6	7.7	1.1	0.8	3	14.9	1.8	5.2
BUSES	0	12	1	0	13	0	0	0	0	0	0	2	0	0	2	4	27	0	0	31	46
% BUSES	0	8.3	1.1	0	4.2	0	0	0	0	0	0	0.8	0	0	0.6	4.6	3.7	0	0	3	2.7

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Jackson Blvd.

File Name : WOOD@JACKSON

Site Code : 00000000

Start Date : 10/7/2015

Page No : 1

Groups Printed- CARS

	WOOD ST. From North					JACKSON BLVD. From East					WOOD ST. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	1	6	3	3	13	0	0	0	4	4	2	17	0	1	20	2	34	8	1	45	82
07:15 AM	0	9	4	3	16	0	0	0	3	3	1	18	0	1	20	4	64	16	2	86	125
07:30 AM	0	14	9	1	24	0	0	0	5	5	1	30	0	4	35	4	62	11	5	82	146
07:45 AM	0	17	12	6	35	0	0	0	4	4	3	17	0	8	28	4	71	16	5	96	163
Total	1	46	28	13	88	0	0	0	16	16	7	82	0	14	103	14	231	51	13	309	516
08:00 AM	0	10	7	1	18	0	0	0	4	4	1	30	0	4	35	6	61	25	1	93	150
08:15 AM	0	17	5	2	24	0	0	0	7	7	1	20	0	2	23	6	72	21	3	102	156
08:30 AM	0	9	9	5	23	0	0	0	4	4	0	19	0	4	23	19	69	11	7	106	156
08:45 AM	0	8	5	2	15	0	0	0	2	2	0	32	0	2	34	18	82	19	4	123	174
Total	0	44	26	10	80	0	0	0	17	17	2	101	0	12	115	49	284	76	15	424	636
** BREAK ***																					
05:15 PM	0	16	12	4	32	0	0	0	1	1	3	28	0	1	32	8	61	5	4	78	143
05:30 PM	0	9	11	1	21	0	0	0	2	2	0	24	0	5	29	9	63	16	3	91	143
05:45 PM	0	15	15	4	34	0	0	0	0	0	0	15	1	3	19	2	59	13	5	79	132
Total	0	40	38	9	87	0	0	0	3	3	3	67	1	9	80	19	183	34	12	248	418
Grand Total	1	130	92	32	255	0	0	0	36	36	12	250	1	35	298	82	698	161	40	981	1570
Apprch %	0.4	51	36.1	12.5		0	0	0	100		4	83.9	0.3	11.7		8.4	71.2	16.4	4.1		
Total %	0.1	8.3	5.9	2	16.2	0	0	0	2.3	2.3	0.8	15.9	0.1	2.2	19	5.2	44.5	10.3	2.5	62.5	

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Jackson Blvd.

File Name : WOOD@JACKSON

Site Code : 00000000

Start Date : 10/7/2015

Page No : 1

## Groups Printed- TRUCKS

	WOOD ST. From North					JACKSON BLVD. From East					WOOD ST. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
** BREAK ***																					
07:15 AM	0	0	0	2	2	0	0	0	0	0	0	1	0	2	3	0	1	1	1	3	8
07:30 AM	0	0	0	4	4	0	0	0	0	0	0	1	0	2	3	0	0	1	0	1	8
07:45 AM	0	0	0	6	6	0	0	0	1	1	0	0	0	0	0	0	0	2	1	3	10
Total	0	0	0	12	12	0	0	0	1	1	0	2	0	4	6	0	1	4	2	7	26
08:00 AM	0	0	0	6	6	0	0	0	0	0	0	0	0	2	2	0	1	0	1	2	10
08:15 AM	0	0	0	7	7	0	0	0	0	0	1	0	0	3	4	0	2	0	0	2	13
08:30 AM	0	0	0	3	3	0	0	0	1	1	0	0	0	2	2	0	1	0	0	1	7
08:45 AM	0	1	1	6	8	0	0	0	0	0	0	0	0	7	7	1	1	1	3	6	21
Total	0	1	1	22	24	0	0	0	1	1	1	0	0	14	15	1	5	1	4	11	51
** BREAK ***																					
05:15 PM	0	1	0	2	3	0	0	0	0	0	0	0	0	2	2	0	0	0	1	1	6
05:30 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:45 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	4
Total	0	1	0	4	5	0	0	0	2	2	0	0	0	4	4	0	0	0	1	1	12
Grand Total	0	2	1	38	41	0	0	0	4	4	1	2	0	22	25	1	6	5	7	19	89
Apprch %	0	4.9	2.4	92.7		0	0	0	100		4	8	0	88		5.3	31.6	26.3	36.8		
Total %	0	2.2	1.1	42.7	46.1	0	0	0	4.5	4.5	1.1	2.2	0	24.7	28.1	1.1	6.7	5.6	7.9	21.3	

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Jackson Blvd.

File Name : WOOD@JACKSON

Site Code : 00000000

Start Date : 10/7/2015

Page No : 1

## Groups Printed- BUSES

Start Time	WOOD ST. From North					JACKSON BLVD. From East					WOOD ST. From South					JACKSON BLVD. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	5
07:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	5
07:45 AM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	6
Total	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	1	11	0	0	12	18
08:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6	7
08:15 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	5
08:30 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	6
08:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	3
Total	0	5	1	0	6	0	0	0	0	0	0	0	0	0	0	3	12	0	0	15	21
** BREAK ***																					
05:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
05:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Total	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	7
Grand Total	0	12	1	0	13	0	0	0	0	0	0	2	0	0	2	4	27	0	0	31	46
Apprch %	0	92.3	7.7	0		0	0	0	0		0	100	0	0		12.9	87.1	0	0		
Total %	0	26.1	2.2	0	28.3	0	0	0	0	0	0	4.3	0	0	4.3	8.7	58.7	0	0	67.4	

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Jackson Blvd.

File Name : OGDEN@JACKSO

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

Groups Printed- CARS - TRUCKS - BUSES

Start Time	OGDEN AVE. From North					JACKSON BLVD. From East					OGDEN AVE. From South					JACKSON BLVD. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	0	195	2	8	205	0	0	0	9	9	26	183	0	5	214	2	37	9	5	53	481
07:15 AM	0	204	1	4	209	0	0	0	12	12	30	181	0	6	217	1	38	10	3	52	490
07:30 AM	0	221	3	10	234	0	0	0	7	7	30	203	0	8	241	4	71	10	10	95	577
07:45 AM	0	230	5	12	247	0	0	0	19	19	34	149	0	3	186	4	64	20	4	92	544
Total	0	850	11	34	895	0	0	0	47	47	120	716	0	22	858	11	210	49	22	292	2092
08:00 AM	0	192	4	18	214	0	0	0	16	16	28	167	0	3	198	2	56	9	1	68	496
08:15 AM	0	181	4	8	193	0	0	0	12	12	25	173	0	4	202	4	62	21	13	100	507
08:30 AM	0	194	7	12	213	0	0	0	17	17	21	172	0	1	194	0	72	11	7	90	514
08:45 AM	0	157	9	11	177	0	0	0	8	8	26	140	0	8	174	4	48	8	10	70	429
Total	0	724	24	49	797	0	0	0	53	53	100	652	0	16	768	10	238	49	31	328	1946
** BREAK **																					
04:00 PM	0	203	4	7	214	0	0	0	9	9	18	136	0	14	168	3	57	30	8	98	489
04:15 PM	1	244	3	6	254	0	0	0	4	4	28	166	0	4	198	1	76	26	6	109	565
04:30 PM	0	260	3	14	277	0	0	0	7	7	33	248	0	8	289	3	72	20	9	104	677
04:45 PM	0	251	1	14	266	0	0	0	7	7	26	216	0	8	250	2	85	29	6	122	645
Total	1	958	11	41	1011	0	0	0	27	27	105	766	0	34	905	9	290	105	29	433	2376
05:00 PM	1	217	0	6	224	0	0	0	5	5	22	186	0	5	213	3	84	24	10	121	563
05:15 PM	0	249	1	7	257	0	0	0	11	11	35	208	0	9	252	2	70	33	10	115	635
05:30 PM	0	218	3	7	228	0	0	0	11	11	24	209	0	3	236	1	61	28	2	92	567
05:45 PM	0	164	3	8	175	0	0	0	6	6	12	173	0	10	195	2	37	20	5	64	440
Total	1	848	7	28	884	0	0	0	33	33	93	776	0	27	896	8	252	105	27	392	2205
Grand Total	2	3380	53	152	3587	0	0	0	160	160	418	2910	0	99	3427	38	990	308	109	1445	8619
Apprch %	0.1	94.2	1.5	4.2		0	0	0	100		12.2	84.9	0	2.9		2.6	68.5	21.3	7.5		
Total %	0	39.2	0.6	1.8	41.6	0	0	0	1.9	1.9	4.8	33.8	0	1.1	39.8	0.4	11.5	3.6	1.3	16.8	
CARS	2	3251	53	107	3413	0	0	0	115	115	409	2804	0	74	3287	38	943	304	56	1341	8156
% CARS	100	96.2	100	70.4	95.1	0	0	0	71.9	71.9	97.8	96.4	0	74.7	95.9	100	95.3	98.7	51.4	92.8	94.6
TRUCKS	0	103	0	45	148	0	0	0	44	44	5	93	0	25	123	0	7	3	53	63	378
% TRUCKS	0	3	0	29.6	4.1	0	0	0	27.5	27.5	1.2	3.2	0	25.3	3.6	0	0.7	1	48.6	4.4	4.4
BUSES	0	26	0	0	26	0	0	0	1	1	4	13	0	0	17	0	40	1	0	41	85
% BUSES	0	0.8	0	0	0.7	0	0	0	0.6	0.6	1	0.4	0	0	0.5	0	4	0.3	0	2.8	1

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Jackson Blvd.

File Name : OGDEN@JACKSO

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

Groups Printed- CARS

	OGDEN AVE. From North					JACKSON BLVD. From East					OGDEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	0	188	2	4	194	0	0	0	7	7	25	175	0	3	203	2	36	9	2	49	453
07:15 AM	0	194	1	4	199	0	0	0	9	9	29	171	0	4	204	1	37	10	0	48	460
07:30 AM	0	212	3	4	219	0	0	0	7	7	28	195	0	3	226	4	66	9	4	83	535
07:45 AM	0	222	5	9	236	0	0	0	15	15	34	136	0	1	171	4	60	20	2	86	508
Total	0	816	11	21	848	0	0	0	38	38	116	677	0	11	804	11	199	48	8	266	1956
08:00 AM	0	182	4	10	196	0	0	0	12	12	28	154	0	1	183	2	52	8	0	62	453
08:15 AM	0	168	4	3	175	0	0	0	11	11	24	156	0	4	184	4	57	20	12	93	463
08:30 AM	0	186	7	4	197	0	0	0	14	14	21	162	0	0	183	0	67	10	6	83	477
08:45 AM	0	146	9	5	160	0	0	0	6	6	24	128	0	5	157	4	47	8	5	64	387
Total	0	682	24	22	728	0	0	0	43	43	97	600	0	10	707	10	223	46	23	302	1780
** BREAK ***																					
04:00 PM	0	196	4	6	206	0	0	0	6	6	18	134	0	14	166	3	53	30	4	90	468
04:15 PM	1	235	3	6	245	0	0	0	1	1	28	164	0	4	196	1	71	26	5	103	545
04:30 PM	0	253	3	12	268	0	0	0	4	4	32	246	0	8	286	3	70	20	5	98	656
04:45 PM	0	245	1	14	260	0	0	0	6	6	26	212	0	6	244	2	82	29	3	116	626
Total	1	929	11	38	979	0	0	0	17	17	104	756	0	32	892	9	276	105	17	407	2295
05:00 PM	1	214	0	6	221	0	0	0	2	2	21	184	0	4	209	3	81	24	1	109	541
05:15 PM	0	247	1	6	254	0	0	0	6	6	35	207	0	7	249	2	68	33	6	109	618
05:30 PM	0	207	3	6	216	0	0	0	8	8	24	209	0	3	236	1	60	28	0	89	549
05:45 PM	0	156	3	8	167	0	0	0	1	1	12	171	0	7	190	2	36	20	1	59	417
Total	1	824	7	26	858	0	0	0	17	17	92	771	0	21	884	8	245	105	8	366	2125
Grand Total	2	3251	53	107	3413	0	0	0	115	115	409	2804	0	74	3287	38	943	304	56	1341	8156
Apprch %	0.1	95.3	1.6	3.1		0	0	0	100		12.4	85.3	0	2.3		2.8	70.3	22.7	4.2		
Total %	0	39.9	0.6	1.3	41.8	0	0	0	1.4	1.4	5	34.4	0	0.9	40.3	0.5	11.6	3.7	0.7	16.4	

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Jackson Blvd.

File Name : OGDEN@JACKSO

Site Code : 00000000

Start Date : 10/6/2015

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## Groups Printed- TRUCKS

Start Time	OGDEN AVE. From North					JACKSON BLVD. From East					OGDEN AVE. From South					JACKSON BLVD. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	0	5	0	4	9	0	0	0	2	2	1	6	0	2	9	0	0	0	3	3	23
07:15 AM	0	8	0	0	8	0	0	0	3	3	0	8	0	2	10	0	0	0	3	3	24
07:30 AM	0	6	0	6	12	0	0	0	0	0	2	8	0	5	15	0	0	1	6	7	34
07:45 AM	0	6	0	3	9	0	0	0	4	4	0	12	0	2	14	0	1	0	2	3	30
Total	0	25	0	13	38	0	0	0	9	9	3	34	0	11	48	0	1	1	14	16	111
08:00 AM	0	8	0	8	16	0	0	0	4	4	0	10	0	2	12	0	1	0	1	2	34
08:15 AM	0	9	0	5	14	0	0	0	1	1	0	16	0	0	16	0	1	1	1	3	34
08:30 AM	0	5	0	8	13	0	0	0	3	3	0	9	0	1	10	0	0	1	1	2	28
08:45 AM	0	8	0	6	14	0	0	0	2	2	1	12	0	3	16	0	0	0	5	5	37
Total	0	30	0	27	57	0	0	0	10	10	1	47	0	6	54	0	2	2	8	12	133
** BREAK ***																					
04:00 PM	0	6	0	1	7	0	0	0	3	3	0	2	0	0	2	0	2	0	4	6	18
04:15 PM	0	7	0	0	7	0	0	0	3	3	0	2	0	0	2	0	1	0	1	2	14
04:30 PM	0	6	0	2	8	0	0	0	2	2	0	2	0	0	2	0	0	0	4	4	16
04:45 PM	0	5	0	0	5	0	0	0	1	1	0	2	0	2	4	0	0	0	3	3	13
Total	0	24	0	3	27	0	0	0	9	9	0	8	0	2	10	0	3	0	12	15	61
05:00 PM	0	3	0	0	3	0	0	0	3	3	1	2	0	1	4	0	0	0	9	9	19
05:15 PM	0	2	0	1	3	0	0	0	5	5	0	1	0	2	3	0	1	0	4	5	16
05:30 PM	0	11	0	1	12	0	0	0	3	3	0	0	0	0	0	0	0	0	2	2	17
05:45 PM	0	8	0	0	8	0	0	0	5	5	0	1	0	3	4	0	0	0	4	4	21
Total	0	24	0	2	26	0	0	0	16	16	1	4	0	6	11	0	1	0	19	20	73
Grand Total	0	103	0	45	148	0	0	0	44	44	5	93	0	25	123	0	7	3	53	63	378
Apprch %	0	69.6	0	30.4		0	0	0	100		4.1	75.6	0	20.3		0	11.1	4.8	84.1		
Total %	0	27.2	0	11.9	39.2	0	0	0	11.6	11.6	1.3	24.6	0	6.6	32.5	0	1.9	0.8	14	16.7	



# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Jackson Blvd.

File Name : OGDEN@JACKSO

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

## Groups Printed- BUSES

	OGDEN AVE. From North					JACKSON BLVD. From East					OGDEN AVE. From South					JACKSON BLVD. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	5
07:15 AM	0	2	0	0	2	0	0	0	0	0	1	2	0	0	3	0	1	0	0	1	6
07:30 AM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	8
07:45 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	6
Total	0	9	0	0	9	0	0	0	0	0	1	5	0	0	6	0	10	0	0	10	25
08:00 AM	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	3	1	0	4	9
08:15 AM	0	4	0	0	4	0	0	0	0	0	1	1	0	0	2	0	4	0	0	4	10
08:30 AM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	5	0	0	5	9
08:45 AM	0	3	0	0	3	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	5
Total	0	12	0	0	12	0	0	0	0	0	2	5	0	0	7	0	13	1	0	14	33
** BREAK **																					
04:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	3
04:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	6
04:30 PM	0	1	0	0	1	0	0	0	1	1	1	0	0	0	1	0	2	0	0	2	5
04:45 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	0	0	3	6
Total	0	5	0	0	5	0	0	0	1	1	1	2	0	0	3	0	11	0	0	11	20
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	6	0	0	6	7
Grand Total	0	26	0	0	26	0	0	0	1	1	4	13	0	0	17	0	40	1	0	41	85
Apprch %	0	100	0	0		0	0	0	100		23.5	76.5	0	0		0	97.6	2.4	0		
Total %	0	30.6	0	0	30.6	0	0	0	1.2	1.2	4.7	15.3	0	0	20	0	47.1	1.2	0	48.2	

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Van Buren St.

File Name : DAMEN@VANBURE

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

## Groups Printed- CARS - TRUCKS - BUSES

Start Time	DAMEN AVE. From North					VAN BUREN ST. From East					DAMEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	54	188	0	7	249	54	60	109	14	237	0	191	47	0	238	0	0	0	4	4	728
07:15 AM	89	230	0	9	328	58	65	115	16	254	0	208	39	1	248	0	0	0	5	5	835
07:30 AM	46	159	0	5	210	55	56	132	13	256	0	174	79	0	253	0	0	0	11	11	730
07:45 AM	60	175	0	4	239	61	65	159	14	299	0	177	72	0	249	0	0	0	10	10	797
Total	249	752	0	25	1026	228	246	515	57	1046	0	750	237	1	988	0	0	0	30	30	3090
08:00 AM	42	165	0	18	225	63	78	155	22	318	0	203	75	0	278	0	0	0	8	8	829
08:15 AM	48	160	0	11	219	58	78	119	23	278	0	151	52	0	203	0	0	0	5	5	705
08:30 AM	37	171	0	12	220	76	75	136	18	305	0	156	64	1	221	0	0	0	12	12	758
08:45 AM	38	179	0	11	228	72	62	106	20	260	0	180	53	0	233	0	0	0	10	10	731
Total	165	675	0	52	892	269	293	516	83	1161	0	690	244	1	935	0	0	0	35	35	3023
** BREAK **																					
04:00 PM	43	128	0	7	178	55	85	34	37	211	0	248	82	0	330	0	0	0	9	9	728
04:15 PM	52	135	0	8	195	61	114	39	24	238	0	240	88	0	328	0	0	0	6	6	767
04:30 PM	40	179	0	2	221	62	86	38	53	239	0	265	88	0	353	0	0	0	1	1	814
04:45 PM	38	180	0	36	254	66	107	40	113	326	0	268	73	0	341	0	0	0	21	21	942
Total	173	622	0	53	848	244	392	151	227	1014	0	1021	331	0	1352	0	0	0	37	37	3251
05:00 PM	44	133	0	6	183	95	92	31	43	261	0	251	85	0	336	0	0	0	19	19	799
05:15 PM	62	170	0	12	244	70	108	30	63	271	0	305	59	0	364	0	0	0	2	2	881
05:30 PM	32	128	0	11	171	105	142	26	59	332	0	276	40	0	316	0	0	0	4	4	823
05:45 PM	16	143	0	1	160	153	136	20	60	369	0	293	15	0	308	0	0	0	2	2	839
Total	154	574	0	30	758	423	478	107	225	1233	0	1125	199	0	1324	0	0	0	27	27	3342
Grand Total	741	2623	0	160	3524	1164	1409	1289	592	4454	0	3586	1011	2	4599	0	0	0	129	129	12706
Apprch %	21	74.4	0	4.5		26.1	31.6	28.9	13.3		0	78	22	0		0	0	0	100		
Total %	5.8	20.6	0	1.3	27.7	9.2	11.1	10.1	4.7	35.1	0	28.2	8	0	36.2	0	0	0	1	1	
CARS	718	2524	0	154	3396	1124	1353	1277	534	4288	0	3477	983	2	4462	0	0	0	74	74	12220
% CARS	96.9	96.2	0	96.2	96.4	96.6	96	99.1	90.2	96.3	0	97	97.2	100	97	0	0	0	57.4	57.4	96.2
TRUCKS	17	62	0	6	85	18	40	1	58	117	0	64	22	0	86	0	0	0	55	55	343
% TRUCKS	2.3	2.4	0	3.8	2.4	1.5	2.8	0.1	9.8	2.6	0	1.8	2.2	0	1.9	0	0	0	42.6	42.6	2.7
BUSES	6	37	0	0	43	22	16	11	0	49	0	45	6	0	51	0	0	0	0	0	143
% BUSES	0.8	1.4	0	0	1.2	1.9	1.1	0.9	0	1.1	0	1.3	0.6	0	1.1	0	0	0	0	0	1.1

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Van Buren St.

File Name : DAMEN@VANBURE

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

## Groups Printed- CARS

	DAMEN AVE. From North					VAN BUREN ST. From East					DAMEN AVE. From South					VAN BUREN ST. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	52	181	0	7	240	51	57	109	12	229	0	184	45	0	229	0	0	0	2	2	700
07:15 AM	87	221	0	9	317	55	62	115	13	245	0	199	38	1	238	0	0	0	2	2	802
07:30 AM	42	150	0	5	197	53	55	131	13	252	0	163	74	0	237	0	0	0	6	6	692
07:45 AM	60	170	0	4	234	60	60	159	13	292	0	169	68	0	237	0	0	0	5	5	768
Total	241	722	0	25	988	219	234	514	51	1018	0	715	225	1	941	0	0	0	15	15	2962
08:00 AM	40	158	0	18	216	59	68	154	20	301	0	195	70	0	265	0	0	0	3	3	785
08:15 AM	47	154	0	11	212	55	73	117	21	266	0	142	49	0	191	0	0	0	1	1	670
08:30 AM	33	167	0	12	212	73	68	135	15	291	0	143	62	1	206	0	0	0	7	7	716
08:45 AM	34	171	0	11	216	70	58	103	18	249	0	166	52	0	218	0	0	0	2	2	685
Total	154	650	0	52	856	257	267	509	74	1107	0	646	233	1	880	0	0	0	13	13	2856
** BREAK **																					
04:00 PM	43	121	0	6	170	52	84	34	33	203	0	245	81	0	326	0	0	0	6	6	705
04:15 PM	51	127	0	7	185	57	114	39	23	233	0	236	87	0	323	0	0	0	2	2	743
04:30 PM	40	174	0	1	215	60	83	37	45	225	0	260	86	0	346	0	0	0	1	1	787
04:45 PM	38	177	0	35	250	63	103	39	108	313	0	262	73	0	335	0	0	0	17	17	915
Total	172	599	0	49	820	232	384	149	209	974	0	1003	327	0	1330	0	0	0	26	26	3150
05:00 PM	43	130	0	5	178	95	91	30	36	252	0	247	84	0	331	0	0	0	14	14	775
05:15 PM	61	165	0	12	238	69	108	29	59	265	0	301	59	0	360	0	0	0	2	2	865
05:30 PM	32	122	0	10	164	100	138	26	47	311	0	275	40	0	315	0	0	0	3	3	793
05:45 PM	15	136	0	1	152	152	131	20	58	361	0	290	15	0	305	0	0	0	1	1	819
Total	151	553	0	28	732	416	468	105	200	1189	0	1113	198	0	1311	0	0	0	20	20	3252
Grand Total	718	2524	0	154	3396	1124	1353	1277	534	4288	0	3477	983	2	4462	0	0	0	74	74	12220
Apprch %	21.1	74.3	0	4.5		26.2	31.6	29.8	12.5		0	77.9	22	0		0	0	0	100		
Total %	5.9	20.7	0	1.3	27.8	9.2	11.1	10.5	4.4	35.1	0	28.5	8	0	36.5	0	0	0	0.6	0.6	

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Van Buren St.

File Name : DAMEN@VANBURE

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

## Groups Printed- TRUCKS

Start Time	DAMEN AVE. From North					VAN BUREN ST. From East					DAMEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	2	3	0	0	5	2	3	0	2	7	0	4	2	0	6	0	0	0	2	2	20
07:15 AM	2	4	0	0	6	2	3	0	3	8	0	5	1	0	6	0	0	0	3	3	23
07:30 AM	3	6	0	0	9	1	1	0	0	2	0	8	4	0	12	0	0	0	5	5	28
07:45 AM	0	4	0	0	4	0	4	0	1	5	0	6	4	0	10	0	0	0	5	5	24
Total	7	17	0	0	24	5	11	0	6	22	0	23	11	0	34	0	0	0	15	15	95
08:00 AM	1	5	0	0	6	2	7	0	2	11	0	5	2	0	7	0	0	0	5	5	29
08:15 AM	1	4	0	0	5	2	3	1	2	8	0	5	3	0	8	0	0	0	4	4	25
08:30 AM	3	2	0	0	5	1	5	0	3	9	0	10	1	0	11	0	0	0	5	5	30
08:45 AM	1	5	0	0	6	1	2	0	2	5	0	11	1	0	12	0	0	0	8	8	31
Total	6	16	0	0	22	6	17	1	9	33	0	31	7	0	38	0	0	0	22	22	115
** BREAK ***																					
04:00 PM	0	5	0	1	6	1	0	0	4	5	0	1	1	0	2	0	0	0	3	3	16
04:15 PM	1	6	0	1	8	2	0	0	1	3	0	1	1	0	2	0	0	0	4	4	17
04:30 PM	0	2	0	1	3	0	2	0	8	10	0	2	1	0	3	0	0	0	0	0	16
04:45 PM	0	2	0	1	3	1	3	0	5	9	0	2	0	0	2	0	0	0	4	4	18
Total	1	15	0	4	20	4	5	0	18	27	0	6	3	0	9	0	0	0	11	11	67
05:00 PM	1	0	0	1	2	0	0	0	7	7	0	1	1	0	2	0	0	0	5	5	16
05:15 PM	1	4	0	0	5	0	0	0	4	4	0	1	0	0	1	0	0	0	0	0	10
05:30 PM	0	5	0	1	6	3	3	0	12	18	0	0	0	0	0	0	0	0	1	1	25
05:45 PM	1	5	0	0	6	0	4	0	2	6	0	2	0	0	2	0	0	0	1	1	15
Total	3	14	0	2	19	3	7	0	25	35	0	4	1	0	5	0	0	0	7	7	66
Grand Total	17	62	0	6	85	18	40	1	58	117	0	64	22	0	86	0	0	0	55	55	343
Apprch %	20	72.9	0	7.1		15.4	34.2	0.9	49.6		0	74.4	25.6	0		0	0	0	100		
Total %	5	18.1	0	1.7	24.8	5.2	11.7	0.3	16.9	34.1	0	18.7	6.4	0	25.1	0	0	0	16	16	

# Sam Schwartz Engineering, D.P.C.

Damen Ave. @ Van Buren St.

File Name : DAMEN@VANBURE

Site Code : 00000000

Start Date : 10/6/2015

Page No : 1

## Groups Printed- BUSES

Start Time	DAMEN AVE. From North					VAN BUREN ST. From East					DAMEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	0	4	0	0	4	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	8
07:15 AM	0	5	0	0	5	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	10
07:30 AM	1	3	0	0	4	1	0	1	0	2	0	3	1	0	4	0	0	0	0	0	10
07:45 AM	0	1	0	0	1	1	1	0	0	2	0	2	0	0	2	0	0	0	0	0	5
Total	1	13	0	0	14	4	1	1	0	6	0	12	1	0	13	0	0	0	0	0	33
08:00 AM	1	2	0	0	3	2	3	1	0	6	0	3	3	0	6	0	0	0	0	0	15
08:15 AM	0	2	0	0	2	1	2	1	0	4	0	4	0	0	4	0	0	0	0	0	10
08:30 AM	1	2	0	0	3	2	2	1	0	5	0	3	1	0	4	0	0	0	0	0	12
08:45 AM	3	3	0	0	6	1	2	3	0	6	0	3	0	0	3	0	0	0	0	0	15
Total	5	9	0	0	14	6	9	6	0	21	0	13	4	0	17	0	0	0	0	0	52
** BREAK ***																					
04:00 PM	0	2	0	0	2	2	1	0	0	3	0	2	0	0	2	0	0	0	0	0	7
04:15 PM	0	2	0	0	2	2	0	0	0	2	0	3	0	0	3	0	0	0	0	0	7
04:30 PM	0	3	0	0	3	2	1	1	0	4	0	3	1	0	4	0	0	0	0	0	11
04:45 PM	0	1	0	0	1	2	1	1	0	4	0	4	0	0	4	0	0	0	0	0	9
Total	0	8	0	0	8	8	3	2	0	13	0	12	1	0	13	0	0	0	0	0	34
05:00 PM	0	3	0	0	3	0	1	1	0	2	0	3	0	0	3	0	0	0	0	0	8
05:15 PM	0	1	0	0	1	1	0	1	0	2	0	3	0	0	3	0	0	0	0	0	6
05:30 PM	0	1	0	0	1	2	1	0	0	3	0	1	0	0	1	0	0	0	0	0	5
05:45 PM	0	2	0	0	2	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	5
Total	0	7	0	0	7	4	3	2	0	9	0	8	0	0	8	0	0	0	0	0	24
Grand Total	6	37	0	0	43	22	16	11	0	49	0	45	6	0	51	0	0	0	0	0	143
Apprch %	14	86	0	0		44.9	32.7	22.4	0		0	88.2	11.8	0		0	0	0	0		
Total %	4.2	25.9	0	0	30.1	15.4	11.2	7.7	0	34.3	0	31.5	4.2	0	35.7	0	0	0	0	0	

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Ogden Ave.

File Name : WOOD@OGDEN

Site Code : 00000000

Start Date : 10/5/2015

Page No : 1

## Groups Printed- CARS - TRUCKS - BUSES

	WOOD ST. From North					OGDEN AVE. From East					WOOD ST. From South					OGDEN AVE. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	5	0	0	3	8	1	172	0	0	173	0	0	0	3	3	0	199	18	0	217	401
07:15 AM	11	0	0	5	16	0	172	0	0	172	0	0	0	9	9	0	252	9	2	263	460
07:30 AM	9	0	0	3	12	1	190	0	1	192	0	0	0	9	9	0	238	21	1	260	473
07:45 AM	20	0	0	7	27	0	201	0	0	201	0	0	0	6	6	0	242	24	1	267	501
Total	45	0	0	18	63	2	735	0	1	738	0	0	0	27	27	0	931	72	4	1007	1835
08:00 AM	18	0	0	4	22	0	192	0	0	192	0	0	0	7	7	0	230	16	0	246	467
08:15 AM	20	0	0	2	22	0	173	0	0	173	0	0	0	4	4	0	201	18	1	220	419
08:30 AM	16	0	1	2	19	1	177	0	0	178	0	0	0	5	5	0	202	19	1	222	424
08:45 AM	20	0	3	4	27	1	151	0	0	152	0	0	0	4	4	0	160	20	3	183	366
Total	74	0	4	12	90	2	693	0	0	695	0	0	0	20	20	0	793	73	5	871	1676
** BREAK ***																					
04:00 PM	30	0	1	7	38	1	198	0	0	199	0	0	0	18	18	0	190	13	0	203	458
04:15 PM	45	0	0	6	51	0	199	0	0	199	0	0	0	3	3	0	212	15	0	227	480
04:30 PM	48	0	0	8	56	3	213	0	0	216	0	0	0	9	9	0	242	14	1	257	538
04:45 PM	48	0	0	12	60	3	223	0	3	229	0	0	0	11	11	0	274	13	0	287	587
Total	171	0	1	33	205	7	833	0	3	843	0	0	0	41	41	0	918	55	1	974	2063
05:00 PM	48	0	0	10	58	1	190	0	1	192	0	0	0	3	3	0	204	22	2	228	481
05:15 PM	49	0	0	12	61	2	241	0	2	245	0	0	0	6	6	0	202	15	1	218	530
05:30 PM	29	0	0	8	37	0	228	0	0	228	0	0	0	10	10	0	218	16	1	235	510
05:45 PM	39	0	0	6	45	2	187	0	1	190	0	0	0	8	8	0	183	14	4	201	444
Total	165	0	0	36	201	5	846	0	4	855	0	0	0	27	27	0	807	67	8	882	1965
Grand Total	455	0	5	99	559	16	3107	0	8	3131	0	0	0	115	115	0	3449	267	18	3734	7539
Apprch %	81.4	0	0.9	17.7		0.5	99.2	0	0.3		0	0	0	100		0	92.4	7.2	0.5		
Total %	6	0	0.1	1.3	7.4	0.2	41.2	0	0.1	41.5	0	0	0	1.5	1.5	0	45.7	3.5	0.2	49.5	
CARS	424	0	5	44	473	14	2957	0	8	2979	0	0	0	49	49	0	3315	263	17	3595	7096
% CARS	93.2	0	100	44.4	84.6	87.5	95.2	0	100	95.1	0	0	0	42.6	42.6	0	96.1	98.5	94.4	96.3	94.1
TRUCKS	5	0	0	54	59	2	116	0	0	118	0	0	0	66	66	0	115	2	1	118	361
% TRUCKS	1.1	0	0	54.5	10.6	12.5	3.7	0	0	3.8	0	0	0	57.4	57.4	0	3.3	0.7	5.6	3.2	4.8
BUSES	26	0	0	1	27	0	34	0	0	34	0	0	0	0	0	0	19	2	0	21	82
% BUSES	5.7	0	0	1	4.8	0	1.1	0	0	1.1	0	0	0	0	0	0	0.6	0.7	0	0.6	1.1

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Ogden Ave.

File Name : WOOD@OGDE

Site Code : 00000000

Start Date : 10/5/2015

Page No : 1

## Groups Printed- CARS

Start Time	WOOD ST. From North					OGDEN AVE. From East					WOOD ST. From South					OGDEN AVE. From West					Int. Total
	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	
07:00 AM	4	0	0	2	6	1	166	0	0	167	0	0	0	1	1	0	186	18	0	204	378
07:15 AM	9	0	0	3	12	0	167	0	0	167	0	0	0	4	4	0	243	9	2	254	437
07:30 AM	8	0	0	1	9	1	178	0	1	180	0	0	0	3	3	0	224	21	1	246	438
07:45 AM	19	0	0	2	21	0	192	0	0	192	0	0	0	1	1	0	224	24	1	249	463
Total	40	0	0	8	48	2	703	0	1	706	0	0	0	9	9	0	877	72	4	953	1716
08:00 AM	14	0	0	2	16	0	180	0	0	180	0	0	0	1	1	0	211	16	0	227	424
08:15 AM	18	0	0	1	19	0	161	0	0	161	0	0	0	2	2	0	188	18	1	207	389
08:30 AM	14	0	1	1	16	1	162	0	0	163	0	0	0	3	3	0	185	19	1	205	387
08:45 AM	16	0	3	2	21	0	143	0	0	143	0	0	0	1	1	0	151	20	3	174	339
Total	62	0	4	6	72	1	646	0	0	647	0	0	0	7	7	0	735	73	5	813	1539
** BREAK **																					
04:00 PM	30	0	1	4	35	1	188	0	0	189	0	0	0	5	5	0	186	12	0	198	427
04:15 PM	41	0	0	1	42	0	188	0	0	188	0	0	0	2	2	0	208	13	0	221	453
04:30 PM	47	0	0	4	51	3	199	0	0	202	0	0	0	3	3	0	241	14	1	256	512
04:45 PM	44	0	0	5	49	3	216	0	3	222	0	0	0	6	6	0	271	13	0	284	561
Total	162	0	1	14	177	7	791	0	3	801	0	0	0	16	16	0	906	52	1	959	1953
05:00 PM	46	0	0	7	53	1	183	0	1	185	0	0	0	2	2	0	201	21	2	224	464
05:15 PM	47	0	0	5	52	1	231	0	2	234	0	0	0	4	4	0	201	15	1	217	507
05:30 PM	28	0	0	1	29	0	222	0	0	222	0	0	0	4	4	0	215	16	0	231	486
05:45 PM	39	0	0	3	42	2	181	0	1	184	0	0	0	7	7	0	180	14	4	198	431
Total	160	0	0	16	176	4	817	0	4	825	0	0	0	17	17	0	797	66	7	870	1888
Grand Total	424	0	5	44	473	14	2957	0	8	2979	0	0	0	49	49	0	3315	263	17	3595	7096
Apprch %	89.6	0	1.1	9.3		0.5	99.3	0	0.3		0	0	0	100		0	92.2	7.3	0.5		
Total %	6	0	0.1	0.6	6.7	0.2	41.7	0	0.1	42	0	0	0	0.7	0.7	0	46.7	3.7	0.2	50.7	

# Sam Schwartz Engineering, D.P.C.

Wood St. @ Ogden Ave.

File Name : WOOD@OGDE

Site Code : 00000000

Start Date : 10/5/2015

Page No : 1

## Groups Printed- TRUCKS

	WOOD ST. From North					OGDEN AVE. From East					WOOD ST. From South					OGDEN AVE. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int Total
07:00 AM	0	0	0	1	1	0	6	0	0	6	0	0	0	2	2	0	13	0	0	13	22
07:15 AM	0	0	0	2	2	0	5	0	0	5	0	0	0	5	5	0	7	0	0	7	19
07:30 AM	0	0	0	2	2	0	7	0	0	7	0	0	0	6	6	0	14	0	0	14	29
07:45 AM	0	0	0	5	5	0	4	0	0	4	0	0	0	5	5	0	15	0	0	15	29
Total	0	0	0	10	10	0	22	0	0	22	0	0	0	18	18	0	49	0	0	49	99
08:00 AM	2	0	0	2	4	0	9	0	0	9	0	0	0	6	6	0	16	0	0	16	35
08:15 AM	0	0	0	1	1	0	8	0	0	8	0	0	0	2	2	0	11	0	0	11	22
08:30 AM	0	0	0	1	1	0	9	0	0	9	0	0	0	2	2	0	14	0	0	14	26
08:45 AM	1	0	0	2	3	1	6	0	0	7	0	0	0	3	3	0	9	0	0	9	22
Total	3	0	0	6	9	1	32	0	0	33	0	0	0	13	13	0	50	0	0	50	105
** BREAK ***																					
04:00 PM	0	0	0	3	3	0	10	0	0	10	0	0	0	13	13	0	2	1	0	3	29
04:15 PM	2	0	0	5	7	0	10	0	0	10	0	0	0	1	1	0	4	0	0	4	22
04:30 PM	0	0	0	3	3	0	11	0	0	11	0	0	0	6	6	0	1	0	0	1	21
04:45 PM	0	0	0	7	7	0	4	0	0	4	0	0	0	5	5	0	1	0	0	1	17
Total	2	0	0	18	20	0	35	0	0	35	0	0	0	25	25	0	8	1	0	9	89
05:00 PM	0	0	0	3	3	0	7	0	0	7	0	0	0	1	1	0	3	1	0	4	15
05:15 PM	0	0	0	7	7	1	8	0	0	9	0	0	0	2	2	0	1	0	0	1	19
05:30 PM	0	0	0	7	7	0	6	0	0	6	0	0	0	6	6	0	3	0	1	4	23
05:45 PM	0	0	0	3	3	0	6	0	0	6	0	0	0	1	1	0	1	0	0	1	11
Total	0	0	0	20	20	1	27	0	0	28	0	0	0	10	10	0	8	1	1	10	68
Grand Total	5	0	0	54	59	2	116	0	0	118	0	0	0	66	66	0	115	2	1	118	361
Apprch %	8.5	0	0	91.5		1.7	98.3	0	0		0	0	0	100		0	97.5	1.7	0.8		
Total %	1.4	0	0	15	16.3	0.6	32.1	0	0	32.7	0	0	0	18.3	18.3	0	31.9	0.6	0.3	32.7	



# Sam Schwartz Engineering, D.P.C.

Wood St. @ Ogden Ave.

File Name : WOOD@OGDEN

Site Code : 00000000

Start Date : 10/5/2015

Page No : 1

## Groups Printed- BUSES

	WOOD ST. From North					OGDEN AVE. From East					WOOD ST. From South					OGDEN AVE. From West					
Start Time	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Int. Total
07:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:15 AM	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4
07:30 AM	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	6
07:45 AM	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	0	3	0	0	0	9
Total	5	0	0	0	5	0	10	0	0	10	0	0	0	0	0	0	5	0	0	5	20
08:00 AM	2	0	0	0	2	0	3	0	0	3	0	0	0	0	0	0	3	0	0	0	8
08:15 AM	2	0	0	0	2	0	4	0	0	4	0	0	0	0	0	0	2	0	0	0	8
08:30 AM	2	0	0	0	2	0	6	0	0	6	0	0	0	0	0	0	3	0	0	0	11
08:45 AM	3	0	0	0	3	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	5
Total	9	0	0	0	9	0	15	0	0	15	0	0	0	0	0	0	8	0	0	0	32
** BREAK ***																					
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
04:15 PM	2	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	5
04:30 PM	1	0	0	1	2	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	5
04:45 PM	4	0	0	0	4	0	3	0	0	3	0	0	0	0	0	0	2	0	0	0	9
Total	7	0	0	1	8	0	7	0	0	7	0	0	0	0	0	0	4	2	0	0	21
05:00 PM	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:15 PM	2	0	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	4
05:30 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Total	5	0	0	0	5	0	2	0	0	2	0	0	0	0	0	0	2	0	0	0	9
Grand Total	26	0	0	1	27	0	34	0	0	34	0	0	0	0	0	0	19	2	0	0	82
Apprch %	96.3	0	0	3.7		0	100	0	0		0	0	0	0		0	90.5	9.5	0		
Total %	31.7	0	0	1.2	32.9	0	41.5	0	0	41.5	0	0	0	0	0	0	23.2	2.4	0	25.6	

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Van Buren St.

File Name : OGDEN@VANBURE

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

## Groups Printed- CARS - TRUCKS - BUSES

Start Time	OGDEN AVE. From North					VAN BUREN ST. From East					OGDEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	
07:00 AM	37	124	0	1	162	20	10	5	5	40	0	180	0	0	180	0	0	0	4	4	386
07:15 AM	48	175	0	10	233	19	12	16	15	62	0	215	4	1	220	0	0	0	8	8	523
07:30 AM	48	153	0	5	206	24	26	17	14	81	0	236	7	8	251	0	0	0	24	24	562
07:45 AM	58	209	0	11	278	24	22	14	19	79	0	231	13	13	257	0	0	0	40	40	654
Total	191	661	0	27	879	87	70	52	53	262	0	862	24	22	908	0	0	0	76	76	2125
08:00 AM	56	174	0	5	235	17	23	26	18	84	0	211	14	18	243	0	0	0	22	22	584
08:15 AM	50	170	0	7	227	17	26	12	22	77	0	187	5	2	194	0	0	0	3	3	501
08:30 AM	53	171	0	11	235	14	24	6	25	69	0	201	3	2	206	0	0	0	14	14	524
08:45 AM	48	131	0	11	190	19	16	18	16	69	0	178	14	4	196	0	0	0	14	14	469
Total	207	646	0	34	887	67	89	62	81	299	0	777	36	26	839	0	0	0	53	53	2078
** BREAK ***																					
04:00 PM	51	217	0	7	275	5	32	15	15	67	0	237	7	8	252	0	0	0	17	17	611
04:15 PM	55	213	0	6	274	5	29	13	14	61	0	247	7	6	260	0	0	0	13	13	608
04:30 PM	59	218	0	5	282	7	29	17	11	64	0	259	9	12	280	0	0	0	15	15	641
04:45 PM	68	218	0	17	303	9	31	22	16	78	0	255	12	4	271	0	0	0	3	3	655
Total	233	866	0	35	1134	26	121	67	56	270	0	998	35	30	1063	0	0	0	48	48	2515
05:00 PM	62	226	0	15	303	4	37	13	21	75	0	236	9	6	251	0	0	0	18	18	647
05:15 PM	55	243	0	13	311	6	35	22	17	80	0	261	14	7	282	1	0	0	6	7	680
05:30 PM	78	217	0	13	308	5	43	19	11	78	0	248	12	18	278	0	0	0	18	18	682
05:45 PM	45	167	0	5	217	4	44	15	6	69	0	219	6	11	236	0	0	0	16	16	538
Total	240	853	0	46	1139	19	159	69	55	302	0	964	41	42	1047	1	0	0	58	59	2547
Grand Total	871	3026	0	142	4039	199	439	250	245	1133	0	3601	136	120	3857	1	0	0	235	236	9265
Apprch %	21.6	74.9	0	3.5		17.6	38.7	22.1	21.6		0	93.4	3.5	3.1		0.4	0	0	99.6		
Total %	9.4	32.7	0	1.5	43.6	2.1	4.7	2.7	2.6	12.2	0	38.9	1.5	1.3	41.6	0	0	0	2.5	2.5	
CARS	831	2898	0	118	3847	198	409	242	171	1020	0	3489	135	115	3739	1	0	0	177	178	8784
% CARS	95.4	95.8	0	83.1	95.2	99.5	93.2	96.8	69.8	90	0	96.9	99.3	95.8	96.9	100	0	0	75.3	75.4	94.8
TRUCKS	31	89	0	24	144	0	6	3	74	83	0	99	1	5	105	0	0	0	58	58	390
% TRUCKS	3.6	2.9	0	16.9	3.6	0	1.4	1.2	30.2	7.3	0	2.7	0.7	4.2	2.7	0	0	0	24.7	24.6	4.2
BUSES	9	39	0	0	48	1	24	5	0	30	0	13	0	0	13	0	0	0	0	0	91
% BUSES	1	1.3	0	0	1.2	0.5	5.5	2	0	2.6	0	0.4	0	0	0.3	0	0	0	0	0	1

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Van Buren St.

File Name : OGDEN@VANBURE

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

Groups Printed- CARS

Start Time	OGDEN AVE. From North					VAN BUREN ST. From East					OGDEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	Right	Thru	Left	Peds	App Total	
07:00 AM	35	116	0	1	152	20	8	5	2	35	0	178	0	0	178	0	0	0	3	3	368
07:15 AM	46	169	0	9	224	19	11	16	9	55	0	201	4	1	206	0	0	0	5	5	490
07:30 AM	47	150	0	3	200	24	22	16	10	72	0	219	7	8	234	0	0	0	23	23	529
07:45 AM	53	199	0	11	263	24	19	14	13	70	0	215	13	13	241	0	0	0	37	37	611
Total	181	634	0	24	839	87	60	51	34	232	0	813	24	22	859	0	0	0	68	68	1998
08:00 AM	50	162	0	5	217	17	20	25	13	75	0	195	14	18	227	0	0	0	19	19	538
08:15 AM	48	158	0	6	212	17	24	12	16	69	0	177	5	2	184	0	0	0	2	2	467
08:30 AM	49	160	0	11	220	14	23	5	16	58	0	187	3	2	192	0	0	0	14	14	484
08:45 AM	42	122	0	10	174	18	15	17	12	62	0	168	14	4	186	0	0	0	10	10	432
Total	189	602	0	32	823	66	82	59	57	264	0	727	36	26	789	0	0	0	45	45	1921
** BREAK ***																					
04:00 PM	50	208	0	6	264	5	31	15	10	61	0	236	7	7	250	0	0	0	9	9	584
04:15 PM	55	206	0	4	265	5	27	13	9	54	0	247	7	6	260	0	0	0	8	8	587
04:30 PM	59	210	0	4	273	7	29	16	4	56	0	257	9	11	277	0	0	0	11	11	617
04:45 PM	65	208	0	14	287	9	28	21	15	73	0	253	11	4	268	0	0	0	1	1	629
Total	229	832	0	28	1089	26	115	65	38	244	0	993	34	28	1055	0	0	0	29	29	2417
05:00 PM	59	217	0	13	289	4	36	13	19	72	0	232	9	6	247	0	0	0	9	9	617
05:15 PM	53	238	0	9	300	6	35	22	10	73	0	260	14	5	279	1	0	0	4	5	657
05:30 PM	77	211	0	9	297	5	40	19	9	73	0	248	12	17	277	0	0	0	10	10	657
05:45 PM	43	164	0	3	210	4	41	13	4	62	0	216	6	11	233	0	0	0	12	12	517
Total	232	830	0	34	1096	19	152	67	42	280	0	956	41	39	1036	1	0	0	35	36	2448
Grand Total	831	2898	0	118	3847	198	409	242	171	1020	0	3489	135	115	3739	1	0	0	177	178	8784
Apprch %	21.6	75.3	0	3.1		19.4	40.1	23.7	16.8		0	93.3	3.6	3.1		0.6	0	0	99.4		
Total %	9.5	33	0	1.3	43.8	2.3	4.7	2.8	1.9	11.6	0	39.7	1.5	1.3	42.6	0	0	0	2	2	

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Van Buren St.

File Name : OGDEN@VANBURE

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1

## Groups Printed- TRUCKS

Start Time	OGDEN AVE. From North					VAN BUREN ST. From East					OGDEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	2	6	0	0	8	0	0	0	3	3	0	2	0	0	2	0	0	0	1	1	14
07:15 AM	2	4	0	1	7	0	0	0	6	6	0	11	0	0	11	0	0	0	3	3	27
07:30 AM	1	0	0	2	3	0	2	0	4	6	0	15	0	0	15	0	0	0	1	1	25
07:45 AM	4	3	0	0	7	0	1	0	6	7	0	15	0	0	15	0	0	0	3	3	32
Total	9	13	0	3	25	0	3	0	19	22	0	43	0	0	43	0	0	0	8	8	98
08:00 AM	4	10	0	0	14	0	1	0	5	6	0	14	0	0	14	0	0	0	3	3	37
08:15 AM	1	6	0	1	8	0	0	0	6	6	0	10	0	0	10	0	0	0	1	1	25
08:30 AM	3	6	0	0	9	0	0	1	9	10	0	13	0	0	13	0	0	0	0	0	32
08:45 AM	4	6	0	1	11	0	0	1	4	5	0	9	0	0	9	0	0	0	4	4	29
Total	12	28	0	2	42	0	1	2	24	27	0	46	0	0	46	0	0	0	8	8	123
** BREAK ***																					
04:00 PM	1	8	0	1	10	0	0	0	5	5	0	1	0	1	2	0	0	0	8	8	25
04:15 PM	0	6	0	2	8	0	0	0	5	5	0	0	0	0	0	0	0	0	5	5	18
04:30 PM	0	7	0	1	8	0	0	1	7	8	0	2	0	1	3	0	0	0	4	4	23
04:45 PM	2	9	0	3	14	0	0	0	1	1	0	1	1	0	2	0	0	0	2	2	19
Total	3	30	0	7	40	0	0	1	18	19	0	4	1	2	7	0	0	0	19	19	85
05:00 PM	3	7	0	2	12	0	0	0	2	2	0	3	0	0	3	0	0	0	9	9	26
05:15 PM	2	3	0	4	9	0	0	0	7	7	0	1	0	2	3	0	0	0	2	2	21
05:30 PM	1	5	0	4	10	0	1	0	2	3	0	0	0	1	1	0	0	0	8	8	22
05:45 PM	1	3	0	2	6	0	1	0	2	3	0	2	0	0	2	0	0	0	4	4	15
Total	7	18	0	12	37	0	2	0	13	15	0	6	0	3	9	0	0	0	23	23	84
Grand Total	31	89	0	24	144	0	6	3	74	83	0	99	1	5	105	0	0	0	58	58	390
Apprch %	21.5	61.8	0	16.7		0	7.2	3.6	89.2		0	94.3	1	4.8		0	0	0	100		
Total %	7.9	22.8	0	6.2	36.9	0	1.5	0.8	19	21.3	0	25.4	0.3	1.3	26.9	0	0	0	14.9	14.9	

# Sam Schwartz Engineering, D.P.C.

Ogden Ave. @ Van Buren St.

File Name : OGDEN@VANBURE

Site Code : 00000000

Start Date : 10/8/2015

Page No : 1








## Groups Printed- BUSES

Start Time	OGDEN AVE. From North					VAN BUREN ST. From East					OGDEN AVE. From South					VAN BUREN ST. From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	0	2	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	4
07:15 AM	0	2	0	0	2	0	1	0	0	1	0	3	0	0	3	0	0	0	0	0	6
07:30 AM	0	3	0	0	3	0	2	1	0	3	0	2	0	0	2	0	0	0	0	0	8
07:45 AM	1	7	0	0	8	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	11
Total	1	14	0	0	15	0	7	1	0	8	0	6	0	0	6	0	0	0	0	0	29
08:00 AM	2	2	0	0	4	0	2	1	0	3	0	2	0	0	2	0	0	0	0	0	9
08:15 AM	1	6	0	0	7	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	9
08:30 AM	1	5	0	0	6	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	8
08:45 AM	2	3	0	0	5	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	8
Total	6	16	0	0	22	1	6	1	0	8	0	4	0	0	4	0	0	0	0	0	34
** BREAK ***																					
04:00 PM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	3
04:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	1	1	0	0	2	0	3	1	0	4	0	1	0	0	1	0	0	0	0	0	7
Total	1	4	0	0	5	0	6	1	0	7	0	1	0	0	1	0	0	0	0	0	13
05:00 PM	0	2	0	0	2	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	4
05:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:30 PM	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	3
05:45 PM	1	0	0	0	1	0	2	2	0	4	0	1	0	0	1	0	0	0	0	0	6
Total	1	5	0	0	6	0	5	2	0	7	0	2	0	0	2	0	0	0	0	0	15
Grand Total	9	39	0	0	48	1	24	5	0	30	0	13	0	0	13	0	0	0	0	0	91
Apprch %	18.8	81.2	0	0		3.3	80	16.7	0		0	100	0	0		0	0	0	0		
Total %	9.9	42.9	0	0	52.7	1.1	26.4	5.5	0	33	0	14.3	0	0	14.3	0	0	0	0	0	

## **Intersection Capacity Analysis Worksheets**

Lanes, Volumes, Timings  
3: Damen Ave & Van Buren St

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	515	245	230	235	750	0	0	675	250
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	135		0	75		0	0		0
Storage Lanes	0		0	1		1	1		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.91	0.86	0.91	1.00	0.95	1.00	1.00	0.95	0.95
Frt					0.993	0.850					0.959	
Flt Protected				0.950	0.976		0.950					
Satd. Flow (prot)	0	0	0	1610	3105	1441	1770	3539	0	0	3394	0
Flt Permitted				0.950	0.976		0.194					
Satd. Flow (perm)	0	0	0	1610	3105	1441	361	3539	0	0	3394	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					4	205					75	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		429			1165			520			293	
Travel Time (s)		9.8			26.5			11.8			6.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	560	266	250	255	815	0	0	734	272
Shared Lane Traffic (%)				50%		10%						
Lane Group Flow (vph)	0	0	0	280	571	225	255	815	0	0	1006	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA	Perm	pm+pt	NA			NA	
Protected Phases					8		5	2			6	
Permitted Phases				8		8	2					
Minimum Split (s)				20.5	20.5	20.5	8.5	20.5			33.0	
Total Split (s)				34.0	34.0	34.0	14.0	71.0			57.0	
Total Split (%)				32.4%	32.4%	32.4%	13.3%	67.6%			54.3%	
Maximum Green (s)				30.0	30.0	30.0	10.0	67.0			54.0	
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			0.0	
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			3.0	
Lead/Lag							Lag				Lead	
Lead-Lag Optimize?							Yes				Yes	
Walk Time (s)				5.0	5.0	5.0		5.0			5.0	
Flash Dont Walk (s)				11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)				0	0	0		0			0	
Act Effct Green (s)				30.0	30.0	30.0	67.0	67.0			54.0	
Actuated g/C Ratio				0.29	0.29	0.29	0.64	0.64			0.51	
v/c Ratio				0.61	0.64	0.40	0.70	0.36			0.56	
Control Delay				39.1	36.5	7.9	33.7	9.5			17.5	

# Lanes, Volumes, Timings

## 3: Damen Ave & Van Buren St

10/26/2015



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay				0.0	0.0	0.0	0.0	0.0			1.1	
Total Delay				39.1	36.5	7.9	33.7	9.5			18.5	
LOS				D	D	A	C	A			B	
Approach Delay					31.2			15.3			18.5	
Approach LOS					C			B			B	
Queue Length 50th (ft)				178	193	10	66	123			215	
Queue Length 95th (ft)				276	259	74	#110	158			276	
Internal Link Dist (ft)		349			1085			440			213	
Turn Bay Length (ft)				135			75					
Base Capacity (vph)				460	890	558	364	2258			1781	
Starvation Cap Reductn				0	0	0	0	0			488	
Spillback Cap Reductn				0	0	0	0	0			0	
Storage Cap Reductn				0	0	0	0	0			0	
Reduced v/c Ratio				0.61	0.64	0.40	0.70	0.36			0.78	

### Intersection Summary

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 69 (66%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 21.7

Intersection LOS: C

Intersection Capacity Utilization 65.8%

ICU Level of Service C

Analysis Period (min) 15

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

Queue shown is maximum after two cycles.



















### Splits and Phases: 3: Damen Ave & Van Buren St

02 (R) 01s	05 04s	08 04s
06 (R) 07s	05 04s	08 04s















Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	110	220	30	0	0	0	45	715	220	50	895	25
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	75		0	130		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.982						0.965			0.996	
Fit Protected	0.950						0.950			0.950		
Satd. Flow (prot)	1770	1829	0	0	0	0	1770	3415	0	1770	3525	0
Flt Permitted	0.950						0.177			0.171		
Satd. Flow (perm)	1770	1829	0	0	0	0	330	3415	0	319	3525	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		14						83			6	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		439			1339			168			463	
Travel Time (s)		10.0			30.4			3.8			10.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	120	239	33	0	0	0	49	777	239	54	973	27
Shared Lane Traffic (%)												
Lane Group Flow (vph)	120	272	0	0	0	0	49	1016	0	54	1000	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA					Perm	NA		Perm	NA	
Protected Phases		4						2			6	
Permitted Phases	4						2			6		
Minimum Split (s)	20.0	20.0					20.0	20.0		20.0	20.0	
Total Split (s)	32.0	32.0					33.0	33.0		33.0	33.0	
Total Split (%)	49.2%	49.2%					50.8%	50.8%		50.8%	50.8%	
Maximum Green (s)	29.0	29.0					30.0	30.0		30.0	30.0	
Yellow Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
All-Red Time (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Lost Time Adjust (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0					5.0	5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0					11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0					0	0		0	0	
Act Effct Green (s)	29.0	29.0					30.0	30.0		30.0	30.0	
Actuated g/C Ratio	0.45	0.45					0.46	0.46		0.46	0.46	
v/c Ratio	0.15	0.33					0.32	0.63		0.37	0.61	
Control Delay	11.4	12.5					18.4	14.2		20.3	15.1	

Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay	0.0	0.0					0.0	0.0		0.0	0.0	
Total Delay	11.4	12.5					18.4	14.2		20.3	15.1	
LOS	B	B					B	B		C	B	
Approach Delay		12.1						14.4			15.4	
Approach LOS		B						B			B	
Queue Length 50th (ft)	27	63					12	138		13	146	
Queue Length 95th (ft)	55	112					39	196		44	203	
Internal Link Dist (ft)		359			1259			88			383	
Turn Bay Length (ft)	50						75			130		
Base Capacity (vph)	789	823					152	1620		147	1630	
Starvation Cap Reductn	0	0					0	0		0	0	
Spillback Cap Reductn	0	0					0	0		0	0	
Storage Cap Reductn	0	0					0	0		0	0	
Reduced v/c Ratio	0.15	0.33					0.32	0.63		0.37	0.61	

Intersection Summary

Area Type: Other

Cycle Length: 65

Actuated Cycle Length: 65

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

Natural Cycle: 40

Control Type: Pretimed

Maximum v/c Ratio: 0.63

Intersection Signal Delay: 14.4




Intersection LOS: B

Intersection Capacity Utilization 53.5%

ICU Level of Service A
















Analysis Period (min) 15

Splits and Phases: 6: Damen Ave & Jackson Blvd

 p2 (R)	 p4
55 s	52 s
 p6 (R)	
55 s	

Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	0	0	0	50	70	85	25	860	0	0	770	190
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.95
Frt					0.938						0.970	
Flt Protected					0.988			0.999				
Satd. Flow (prot)	0	0	0	0	3280	0	0	3536	0	0	3433	0
Flt Permitted					0.988			0.902				
Satd. Flow (perm)	0	0	0	0	3280	0	0	3192	0	0	3433	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					92						56	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1165			507			454			260	
Travel Time (s)		26.5			11.5			10.3			5.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	54	76	92	27	935	0	0	837	207
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	222	0	0	962	0	0	1044	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA		Perm	NA			NA	
Protected Phases					8			2			6	
Permitted Phases				8			2					
Minimum Split (s)				21.5	21.5		21.5	21.5			21.5	
Total Split (s)				34.0	34.0		56.0	56.0			56.0	
Total Split (%)				37.8%	37.8%		62.2%	62.2%			62.2%	
Maximum Green (s)				29.0	29.0		51.0	51.0			51.0	
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	
All-Red Time (s)				2.0	2.0		2.0	2.0			2.0	
Lost Time Adjust (s)					0.0			0.0			0.0	
Total Lost Time (s)					5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)				5.0	5.0		5.0	5.0			5.0	
Flash Dont Walk (s)				11.0	11.0		11.0	11.0			11.0	
Pedestrian Calls (#/hr)				0	0		0	0			0	
Act Effct Green (s)					29.0			51.0			51.0	
Actuated g/C Ratio					0.32			0.57			0.57	
v/c Ratio					0.20			0.53			0.53	
Control Delay					13.2			13.5			9.6	
Queue Delay					0.0			0.0			0.0	
Total Delay					13.2			13.5			9.6	
LOS					B			B			A	

Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St

10/21/2015



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Approach Delay					13.2			13.5			9.6	
Approach LOS					B			B			A	
Queue Length 50th (ft)					27			166			103	
Queue Length 95th (ft)					53			218			128	
Internal Link Dist (ft)		1085			427			374			180	
Turn Bay Length (ft)												
Base Capacity (vph)					1119			1808			1969	
Starvation Cap Reductn					0			0			0	
Spillback Cap Reductn					0			0			0	
Storage Cap Reductn					0			0			0	
Reduced v/c Ratio					0.20			0.53			0.53	

Intersection Summary:

Area Type: Other  
Cycle Length: 90  
Actuated Cycle Length: 90  
Offset: 52 (58%), Referenced to phase 2:NETL and 6:SWT, Start of Green  
Natural Cycle: 45  
Control Type: Pretimed  
Maximum v/c Ratio: 0.53  
Intersection Signal Delay: 11.6  
Intersection Capacity Utilization 56.3%  
Analysis Period (min) 15

















Intersection LOS: B  
ICU Level of Service B

Splits and Phases: 9: Ogden Ave & Van Buren St

<p>ø2 (R)</p> <p>56 s</p>	<p>ø6 (R)</p> <p>56 s</p>	<p>ø8</p> <p>34 s</p>
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Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	50	335	10	0	0	0	0	755	120	10	850	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	75		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00
Frt		0.996						0.979				
Flt Protected	0.950										0.999	
Satd. Flow (prot)	1770	3525	0	0	0	0	0	3465	0	0	3536	0
Flt Permitted	0.950										0.942	
Satd. Flow (perm)	1770	3525	0	0	0	0	0	3465	0	0	3334	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4						31				
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		243			463			356			466	
Travel Time (s)		5.5			10.5			8.1			10.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	54	364	11	0	0	0	0	821	130	11	924	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	54	375	0	0	0	0	0	951	0	0	935	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA						NA		Perm	NA	
Protected Phases		2						8			4	
Permitted Phases	2									4		
Minimum Split (s)	21.0	21.0						21.0		21.0	21.0	
Total Split (s)	36.0	36.0						54.0		54.0	54.0	
Total Split (%)	40.0%	40.0%						60.0%		60.0%	60.0%	
Maximum Green (s)	31.0	31.0						49.0		49.0	49.0	
Yellow Time (s)	3.0	3.0						3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0						2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0						0.0			0.0	
Total Lost Time (s)	5.0	5.0						5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0						5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0						11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0						0		0	0	
Act Effct Green (s)	31.0	31.0						49.0			49.0	
Actuated g/C Ratio	0.34	0.34						0.54			0.54	
v/c Ratio	0.09	0.31						0.50			0.52	
Control Delay	20.6	22.3						3.5			14.2	

Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Queue Delay	0.0	0.0						0.0			0.0	
Total Delay	20.6	22.3						3.5			14.2	
LOS	C	C						A			B	
Approach Delay		22.1						3.5			14.3	
Approach LOS		C						A			B	
Queue Length 50th (ft)	21	80						20			166	
Queue Length 95th (ft)	46	116						27			217	
Internal Link Dist (ft)		163			383			276			386	
Turn Bay Length (ft)	75											
Base Capacity (vph)	609	1216						1900			1815	
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	0.09	0.31						0.50			0.52	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 31 (34%), Referenced to phase 2:EBTL, Start of Green

Natural Cycle: 45

Control Type: Pretimed

Maximum v/c Ratio: 0.52

Intersection Signal Delay: 11.3




Intersection Capacity Utilization 48.5%

Analysis Period (min) 15

Intersection LOS: B

ICU Level of Service A

Splits and Phases: 10: Ogden Ave & Jackson Blvd

 02 (R)	 04
56 s	54 s
	 08
	54 s

Intersection

Int Delay, s/veh 1.6

Movement	SBL	SBR	NEL	NET	SWT	SWR
Vol, veh/h	0	105	70	875	855	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	114	76	951	929	5



















Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1560	467	935
Stage 1	932	-	-
Stage 2	628	-	-
Critical Hdwy	6.84	6.94	4.14
Critical Hdwy Stg 1	5.84	-	-
Critical Hdwy Stg 2	5.84	-	-
Follow-up Hdwy	3.52	3.32	2.22
Pot Cap-1 Maneuver	103	542	728
Stage 1	344	-	-
Stage 2	494	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	80	542	728
Mov Cap-2 Maneuver	80	-	-
Stage 1	344	-	-
Stage 2	385	-	-

Approach	SB	NE	SW
HCM Control Delay, s	13.4	1.7	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	SBLn1	SWT	SWR
Capacity (veh/h)	728	-	542	-	-
HCM Lane V/C Ratio	0.105	-	0.211	-	-
HCM Control Delay (s)	10.5	1	13.4	-	-
HCM Lane LOS	B	A	B	-	-
HCM 95th %tile Q(veh)	0.3	-	0.8	-	-

Lanes, Volumes, Timings  
3: Damen Ave & Van Buren St













10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	105	480	425	200	1125	0	0	695	155
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	135		0	75		0	0		0
Storage Lanes	0		0	1		1	1		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.91	0.86	0.91	1.00	0.95	1.00	1.00	0.95	0.95
Frt					0.966	0.850					0.973	
Flt Protected				0.950	0.999		0.950					
Satd. Flow (prot)	0	0	0	1610	3092	1441	1770	3539	0	0	3444	0
Flt Permitted				0.950	0.999		0.223					
Satd. Flow (perm)	0	0	0	1610	3092	1441	415	3539	0	0	3444	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					31	85					37	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		455			1165			520			293	
Travel Time (s)		10.3			26.5			11.8			6.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	114	522	462	217	1223	0	0	755	168
Shared Lane Traffic (%)				10%		34%						
Lane Group Flow (vph)	0	0	0	103	690	305	217	1223	0	0	923	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA	Perm	pm+pt	NA			NA	
Protected Phases					8		5	2			6	
Permitted Phases				8		8	2					
Minimum Split (s)				20.5	20.5	20.5	8.5	20.5			33.0	
Total Split (s)				34.0	34.0	34.0	14.0	71.0			57.0	
Total Split (%)				32.4%	32.4%	32.4%	13.3%	67.6%			54.3%	
Maximum Green (s)				30.0	30.0	30.0	11.0	67.0			54.0	
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	0.0	1.0			0.0	
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	3.0	4.0			3.0	
Lead/Lag							Lag				Lead	
Lead-Lag Optimize?							Yes				Yes	
Walk Time (s)				5.0	5.0	5.0		5.0			5.0	
Flash Dont Walk (s)				11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)				0	0	0		0			0	
Act Effct Green (s)				30.0	30.0	30.0	68.0	67.0			54.0	
Actuated g/C Ratio				0.29	0.29	0.29	0.65	0.64			0.51	
v/c Ratio				0.22	0.76	0.65	0.53	0.54			0.52	
Control Delay				30.3	39.1	30.6	21.4	11.6			17.4	



Lanes, Volumes, Timings  
3: Damen Ave & Van Buren St

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay				0.0	0.0	0.0	0.0	0.0			0.8	
Total Delay				30.3	39.1	30.6	21.4	11.6			18.2	
LOS				C	D	C	C	B			B	
Approach Delay					35.9			13.1			18.2	
Approach LOS					D			B			B	
Queue Length 50th (ft)				58	235	141	53	218			197	
Queue Length 95th (ft)				107	312	249	85	272			253	
Internal Link Dist (ft)		375			1085			440			213	
Turn Bay Length (ft)				135			75					
Base Capacity (vph)				460	905	472	410	2258			1789	
Starvation Cap Reductn				0	0	0	0	0			526	
Spillback Cap Reductn				0	0	0	0	0			0	
Storage Cap Reductn				0	0	0	0	0			0	
Reduced v/c Ratio				0.22	0.76	0.65	0.53	0.54			0.73	

Intersection Summary

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 26 (25%), Referenced to phase 2:NBTL and 6:SBT, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 21.7





Intersection LOS: C

Intersection Capacity Utilization 59.1%

ICU Level of Service B



















Analysis Period (min) 15

Splits and Phases: 3: Damen Ave & Van Buren St

 02 (R)		
71 s		
 06 (R)	 05	 08
57 s	14 s	34 s


Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	75	230	30	0	0	0	80	1255	215	80	820	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	75		0	130		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.983						0.978			0.995	
Flt Protected	0.950						0.950			0.950		
Satd. Flow (prot)	1770	1831	0	0	0	0	1770	3461	0	1770	3522	0
Flt Permitted	0.950						0.226			0.121		
Satd. Flow (perm)	1770	1831	0	0	0	0	421	3461	0	225	3522	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		12						43			8	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		439			1339			168			463	
Travel Time (s)		10.0			30.4			3.8			10.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	82	250	33	0	0	0	87	1364	234	87	891	33
Shared Lane Traffic (%)												
Lane Group Flow (vph)	82	283	0	0	0	0	87	1598	0	87	924	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA					Perm	NA		Perm	NA	
Protected Phases		4						2			6	
Permitted Phases	4						2			6		
Minimum Split (s)	20.0	20.0					20.0	20.0		20.0	20.0	
Total Split (s)	29.0	29.0					36.0	36.0		36.0	36.0	
Total Split (%)	44.6%	44.6%					55.4%	55.4%		55.4%	55.4%	
Maximum Green (s)	26.0	26.0					33.0	33.0		33.0	33.0	
Yellow Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
All-Red Time (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Lost Time Adjust (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0					5.0	5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0					11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0					0	0		0	0	
Act Effct Green (s)	26.0	26.0					33.0	33.0		33.0	33.0	
Actuated g/C Ratio	0.40	0.40					0.51	0.51		0.51	0.51	
v/c Ratio	0.12	0.38					0.41	0.90		0.76	0.52	
Control Delay	12.9	15.1					17.3	22.9		59.4	11.9	

Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay	0.0	0.0					0.0	0.9		0.0	0.0	
Total Delay	12.9	15.1					17.3	23.8		59.4	11.9	
LOS	B	B					B	C		E	B	
Approach Delay		14.6						23.5			15.9	
Approach LOS		B						C			B	
Queue Length 50th (ft)	20	73					20	273		26	117	
Queue Length 95th (ft)	44	129					57	#437		#105	164	
Internal Link Dist (ft)		359			1259			88			383	
Turn Bay Length (ft)	50						75			130		
Base Capacity (vph)	708	739					213	1778		114	1792	
Starvation Cap Reductn	0	0					0	48		0	0	
Spillback Cap Reductn	0	0					0	0		0	0	
Storage Cap Reductn	0	0					0	0		0	0	
Reduced v/c Ratio	0.12	0.38					0.41	0.92		0.76	0.52	

Intersection Summary

Area Type: Other

Cycle Length: 65

Actuated Cycle Length: 65

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

Natural Cycle: 70

Control Type: Pretimed

Maximum v/c Ratio: 0.90

Intersection Signal Delay: 19.9

Intersection LOS: B

Intersection Capacity Utilization 69.9%




ICU Level of Service C

Analysis Period (min) 15

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
















Queue shown is maximum after two cycles.

Splits and Phases: 6: Damen Ave & Jackson Blvd

 <p>2 (R)</p>		 <p>4</p>	
36 s		29 s	
 <p>6 (R)</p>			
36 s			













Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	0	0	0	70	160	20	40	965	0	0	785	240
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.95
Frt					0.988						0.965	
Flt Protected					0.986			0.998				
Satd. Flow (prot)	0	0	0	0	3448	0	0	3532	0	0	3415	0
Flt Permitted					0.986			0.858				
Satd. Flow (perm)	0	0	0	0	3448	0	0	3037	0	0	3415	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					11						74	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1165			507			454			260	
Travel Time (s)		26.5			11.5			10.3			5.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	76	174	22	43	1049	0	0	853	261
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	272	0	0	1092	0	0	1114	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA		Perm	NA			NA	
Protected Phases					8			2			6	
Permitted Phases				8			2					
Minimum Split (s)				21.5	21.5		21.5	21.5			21.5	
Total Split (s)				34.0	34.0		56.0	56.0			56.0	
Total Split (%)				37.8%	37.8%		62.2%	62.2%			62.2%	
Maximum Green (s)				29.0	29.0		51.0	51.0			51.0	
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	
All-Red Time (s)				2.0	2.0		2.0	2.0			2.0	
Lost Time Adjust (s)					0.0			0.0			0.0	
Total Lost Time (s)					5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)				5.0	5.0		5.0	5.0			5.0	
Flash Dont Walk (s)				11.0	11.0		11.0	11.0			11.0	
Pedestrian Calls (#/hr)				0	0		0	0			0	
Act Effct Green (s)					29.0			51.0			51.0	
Actuated g/C Ratio					0.32			0.57			0.57	
v/c Ratio					0.24			0.63			0.57	
Control Delay					22.2			15.3			1.1	
Queue Delay					0.0			0.0			0.0	
Total Delay					22.2			15.3			1.1	
LOS					C			B			A	




Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Approach Delay					22.2			15.3			1.1	
Approach LOS					C			B			A	
Queue Length 50th (ft)					56			205			1	
Queue Length 95th (ft)					87			271			2	
Internal Link Dist (ft)		1085			427			374			180	
Turn Bay Length (ft)												
Base Capacity (vph)					1118			1720			1967	
Starvation Cap Reductn					0			0			0	
Spillback Cap Reductn					0			0			0	
Storage Cap Reductn					0			0			0	
Reduced v/c Ratio					0.24			0.63			0.57	

















Intersection Summary	
Area Type:	Other
Cycle Length:	90
Actuated Cycle Length:	90
Offset:	52 (58%), Referenced to phase 2:NETL and 6:SWT, Start of Green
Natural Cycle:	50
Control Type:	Pretimed
Maximum v/c Ratio:	0.63
Intersection Signal Delay:	9.7
Intersection Capacity Utilization	71.4%
Analysis Period (min)	15
	Intersection LOS: A
	ICU Level of Service C

Splits and Phases: 9: Ogden Ave & Van Buren St

 02 (R)	
56 s	
 06 (R)	 08
56 s	34 s













Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	105	400	10	0	0	0	0	825	105	10	960	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	75		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00
Frt		0.996						0.983				
Flt Protected	0.950										0.999	
Satd. Flow (prot)	1770	3525	0	0	0	0	0	3479	0	0	3536	0
Flt Permitted	0.950										0.942	
Satd. Flow (perm)	1770	3525	0	0	0	0	0	3479	0	0	3334	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3						24				
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		243			463			356			466	
Travel Time (s)		5.5			10.5			8.1			10.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	114	435	11	0	0	0	0	897	114	11	1043	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	114	446	0	0	0	0	0	1011	0	0	1054	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA						NA		Perm	NA	
Protected Phases		2						8			4	
Permitted Phases	2									4		
Minimum Split (s)	21.0	21.0						21.0		21.0	21.0	
Total Split (s)	36.0	36.0						54.0		54.0	54.0	
Total Split (%)	40.0%	40.0%						60.0%		60.0%	60.0%	
Maximum Green (s)	31.0	31.0						49.0		49.0	49.0	
Yellow Time (s)	3.0	3.0						3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0						2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0						0.0			0.0	
Total Lost Time (s)	5.0	5.0						5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0						5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0						11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0						0		0	0	
Act Effct Green (s)	31.0	31.0						49.0			49.0	
Actuated g/C Ratio	0.34	0.34						0.54			0.54	
v/c Ratio	0.19	0.37						0.53			0.58	
Control Delay	21.7	23.1						12.1			15.3	

Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/21/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Queue Delay	0.0	0.0						0.0			0.0	
Total Delay	21.7	23.1						12.1			15.3	
LOS	C	C						B			B	
Approach Delay		22.8						12.1			15.3	
Approach LOS		C						B			B	
Queue Length 50th (ft)	45	97						103			196	
Queue Length 95th (ft)	84	138						166			257	
Internal Link Dist (ft)		163			383			276			386	
Turn Bay Length (ft)	75											
Base Capacity (vph)	609	1216						1905			1815	
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	0.19	0.37						0.53			0.58	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 4 (4%), Referenced to phase 2:EBTL, Start of Green

Natural Cycle: 45

Control Type: Pretimed

Maximum v/c Ratio: 0.58

Intersection Signal Delay: 15.7




Intersection LOS: B

Intersection Capacity Utilization 53.3%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 10: Ogden Ave & Jackson Blvd

 02 (R)	 04
56 s	54 s
	 08
	54 s

Intersection

Int Delay, s/veh 1.2

Movement	SBL	SBR	NEL	NET	SWT	SWR
Vol, veh/h	0	65	55	930	960	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	71	60	1011	1043	11

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1674	527	1054
Stage 1	1049	-	-
Stage 2	625	-	-
Critical Hdwy	6.84	6.94	4.14
Critical Hdwy Stg 1	5.84	-	-
Critical Hdwy Stg 2	5.84	-	-
Follow-up Hdwy	3.52	3.32	2.22
Pot Cap-1 Maneuver	86	496	656
Stage 1	298	-	-
Stage 2	496	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	68	496	656
Mov Cap-2 Maneuver	68	-	-
Stage 1	298	-	-
Stage 2	392	-	-



















Approach	SB	NE	SW
HCM Control Delay, s	13.5	1.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	SBLn1	SWT	SWR
Capacity (veh/h)	656	-	496	-	-
HCM Lane V/C Ratio	0.091	-	0.142	-	-
HCM Control Delay (s)	11	1	13.5	-	-
HCM Lane LOS	B	A	B	-	-
HCM 95th %tile Q(veh)	0.3	-	0.5	-	-















Lanes, Volumes, Timings  
3: Damen Ave & Van Buren St

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	535	260	240	245	785	0	0	700	260
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	135		0	75		0	0		0
Storage Lanes	0		0	1		1	1		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.91	0.86	0.91	1.00	0.95	1.00	1.00	0.95	0.95
Frt					0.993	0.850					0.959	
Flt Protected				0.950	0.976		0.950					
Satd. Flow (prot)	0	0	0	1610	3105	1441	1770	3539	0	0	3394	0
Flt Permitted				0.950	0.976		0.181					
Satd. Flow (perm)	0	0	0	1610	3105	1441	337	3539	0	0	3394	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					4	189					75	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		429			1165			520			293	
Travel Time (s)		9.8			26.5			11.8			6.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	582	283	261	266	853	0	0	761	283
Shared Lane Traffic (%)				50%		10%						
Lane Group Flow (vph)	0	0	0	291	600	235	266	853	0	0	1044	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA	Perm	pm+pt	NA			NA	
Protected Phases					8		5	2				6
Permitted Phases				8		8	2					
Minimum Split (s)				20.5	20.5	20.5	8.5	20.5			33.0	
Total Split (s)				34.0	34.0	34.0	14.0	71.0			57.0	
Total Split (%)				32.4%	32.4%	32.4%	13.3%	67.6%			54.3%	
Maximum Green (s)				30.0	30.0	30.0	10.0	67.0			54.0	
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			0.0	
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			3.0	
Lead/Lag							Lag				Lead	
Lead-Lag Optimize?							Yes				Yes	
Walk Time (s)				5.0	5.0	5.0		5.0			5.0	
Flash Dont Walk (s)				11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)				0	0	0		0			0	
Act Effct Green (s)				30.0	30.0	30.0	67.0	67.0			54.0	
Actuated g/C Ratio				0.29	0.29	0.29	0.64	0.64			0.51	
v/c Ratio				0.63	0.67	0.43	0.76	0.38			0.59	
Control Delay				40.0	37.4	10.1	39.5	9.7			17.9	

Lanes, Volumes, Timings  
3: Damen Ave & Van Buren St

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay				0.0	0.0	0.0	0.0	0.0			1.2	
Total Delay				40.0	37.4	10.1	39.5	9.7			19.2	
LOS				D	D	B	D	A			B	
Approach Delay					32.4			16.7			19.2	
Approach LOS					C			B			B	
Queue Length 50th (ft)				186	205	25	70	131			227	
Queue Length 95th (ft)				290	275	96	#156	167			291	
Internal Link Dist (ft)		349			1085			440			213	
Turn Bay Length (ft)				135			75					
Base Capacity (vph)				460	890	546	351	2258			1781	
Starvation Cap Reductn				0	0	0	0	0			480	
Spillback Cap Reductn				0	0	0	0	0			0	
Storage Cap Reductn				0	0	0	0	0			0	
Reduced v/c Ratio				0.63	0.67	0.43	0.76	0.38			0.80	

Intersection Summary

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 69 (66%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 22.9

Intersection LOS: C

Intersection Capacity Utilization 68.1%





ICU Level of Service C

Analysis Period (min) 15

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



















Queue shown is maximum after two cycles.

Splits and Phases: 3: Damen Ave & Van Buren St

 p2 (R)			
71s			
 p6 (R)	 p5	 p8	
57s	14s	34s	













Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	115	230	30	0	0	0	45	745	235	50	930	25
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	75		0	130		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.983						0.964			0.996	
Flt Protected	0.950						0.950			0.950		
Satd. Flow (prot)	1770	1831	0	0	0	0	1770	3412	0	1770	3525	0
Flt Permitted	0.950						0.163			0.154		
Satd. Flow (perm)	1770	1831	0	0	0	0	304	3412	0	287	3525	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		13						86			5	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		439			1095			168			463	
Travel Time (s)		10.0			24.9			3.8			10.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	125	250	33	0	0	0	49	810	255	54	1011	27
Shared Lane Traffic (%)												
Lane Group Flow (vph)	125	283	0	0	0	0	49	1065	0	54	1038	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA					Perm	NA		Perm	NA	
Protected Phases		4						2			6	
Permitted Phases	4						2			6		
Minimum Split (s)	20.0	20.0					20.0	20.0		20.0	20.0	
Total Split (s)	32.0	32.0					33.0	33.0		33.0	33.0	
Total Split (%)	49.2%	49.2%					50.8%	50.8%		50.8%	50.8%	
Maximum Green (s)	29.0	29.0					30.0	30.0		30.0	30.0	
Yellow Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
All-Red Time (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Lost Time Adjust (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0					5.0	5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0					11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0					0	0		0	0	
Act Effct Green (s)	29.0	29.0					30.0	30.0		30.0	30.0	
Actuated g/C Ratio	0.45	0.45					0.46	0.46		0.46	0.46	
v/c Ratio	0.16	0.34					0.35	0.66		0.41	0.64	
Control Delay	11.5	12.7					20.0	14.7		23.3	15.5	

Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay	0.0	0.0					0.0	0.0		0.0	0.0	
Total Delay	11.5	12.7					20.0	14.7		23.3	15.5	
LOS	B	B					C	B		C	B	
Approach Delay		12.3						14.9			15.9	
Approach LOS		B						B			B	
Queue Length 50th (ft)	28	66					12	147		13	155	
Queue Length 95th (ft)	57	116					41	210		48	214	
Internal Link Dist (ft)		359			1015			88			383	
Turn Bay Length (ft)	50						75			130		
Base Capacity (vph)	789	824					140	1621		132	1629	
Starvation Cap Reductn	0	0					0	0		0	0	
Spillback Cap Reductn	0	0					0	0		0	0	
Storage Cap Reductn	0	0					0	0		0	0	
Reduced v/c Ratio	0.16	0.34					0.35	0.66		0.41	0.64	

Intersection Summary

Area Type: Other

Cycle Length: 65

Actuated Cycle Length: 65

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

Natural Cycle: 45

Control Type: Pretimed

Maximum v/c Ratio: 0.66

Intersection Signal Delay: 14.9




Intersection LOS: B

Intersection Capacity Utilization 55.4%

ICU Level of Service B
















Analysis Period (min) 15

Splits and Phases: 6: Damen Ave & Jackson Blvd

 p2 (R)	 p4
33 s	32 s
 p6 (R)	
33 s	

Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St




10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	0	0	0	50	75	90	25	895	0	0	800	200
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.95
Frt					0.937						0.970	
Flt Protected					0.989			0.999				
Satd. Flow (prot)	0	0	0	0	3280	0	0	3536	0	0	3433	0
Flt Permitted					0.989			0.901				
Satd. Flow (perm)	0	0	0	0	3280	0	0	3189	0	0	3433	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					98						56	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1165			507			454			260	
Travel Time (s)		26.5			11.5			10.3			5.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	54	82	98	27	973	0	0	870	217
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	234	0	0	1000	0	0	1087	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA		Perm	NA			NA	
Protected Phases					8			2			6	
Permitted Phases				8			2					
Minimum Split (s)				21.5	21.5		21.5	21.5			21.5	
Total Split (s)				34.0	34.0		56.0	56.0			56.0	
Total Split (%)				37.8%	37.8%		62.2%	62.2%			62.2%	
Maximum Green (s)				29.0	29.0		51.0	51.0			51.0	
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	
All-Red Time (s)				2.0	2.0		2.0	2.0			2.0	
Lost Time Adjust (s)					0.0			0.0			0.0	
Total Lost Time (s)					5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)				5.0	5.0		5.0	5.0			5.0	
Flash Dont Walk (s)				11.0	11.0		11.0	11.0			11.0	
Pedestrian Calls (#/hr)				0	0		0	0			0	
Act Effct Green (s)					29.0			51.0			51.0	
Actuated g/C Ratio					0.32			0.57			0.57	
v/c Ratio					0.21			0.55			0.55	
Control Delay					13.2			13.8			10.1	
Queue Delay					0.0			0.0			0.0	
Total Delay					13.2			13.8			10.1	
LOS					B			B			B	

## 10/26/2015

















Intersection Summary	
Area Type:	Other
Cycle Length:	90
Actuated Cycle Length:	90
Offset:	52 (58%), Referenced to phase 2:NETL and 6:SWT, Start of Green
Natural Cycle:	45
Control Type:	Pretimed
Maximum v/c Ratio:	0.55
Intersection Signal Delay:	12.0
Intersection Capacity Utilization	57.5%
Analysis Period (min)	15
	Intersection LOS: B
	ICU Level of Service B

**Splits and Phases:** 9: Ogden Ave & Van Buren St

 <p><math>\rho_2 (R)</math></p>	
 <p><math>\rho_6 (R)</math></p>	 <p><math>\rho_8</math></p>













Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	50	350	10	0	0	0	0	785	125	10	890	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	75		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00
Frt		0.996						0.979				
Flt Protected	0.950										0.999	
Satd. Flow (prot)	1770	3525	0	0	0	0	0	3465	0	0	3536	0
Flt Permitted	0.950										0.941	
Satd. Flow (perm)	1770	3525	0	0	0	0	0	3465	0	0	3330	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3						31				
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		243			463			356			466	
Travel Time (s)		5.5			10.5			8.1			10.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	54	380	11	0	0	0	0	853	136	11	967	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	54	391	0	0	0	0	0	989	0	0	978	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA						NA		Perm	NA	
Protected Phases		2						8			4	
Permitted Phases	2									4		
Minimum Split (s)	21.0	21.0						21.0		21.0	21.0	
Total Split (s)	36.0	36.0						54.0		54.0	54.0	
Total Split (%)	40.0%	40.0%						60.0%		60.0%	60.0%	
Maximum Green (s)	31.0	31.0						49.0		49.0	49.0	
Yellow Time (s)	3.0	3.0						3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0						2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0						0.0			0.0	
Total Lost Time (s)	5.0	5.0						5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0						5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0						11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0						0		0	0	
Act Effct Green (s)	31.0	31.0						49.0			49.0	
Actuated g/C Ratio	0.34	0.34						0.54			0.54	
v/c Ratio	0.09	0.32						0.52			0.54	
Control Delay	20.6	22.5						3.6			14.6	

Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Queue Delay	0.0	0.0						0.0			0.0	
Total Delay	20.6	22.5						3.6			14.6	
LOS	C	C						A			B	
Approach Delay		22.3						3.6			14.6	
Approach LOS		C						A			B	
Queue Length 50th (ft)	21	84						21			177	
Queue Length 95th (ft)	46	122						28			231	
Internal Link Dist (ft)		163			383			276			386	
Turn Bay Length (ft)	75											
Base Capacity (vph)	609	1216						1900			1813	
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	0.09	0.32						0.52			0.54	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 31 (34%), Referenced to phase 2:EBTL, Start of Green

Natural Cycle: 45

Control Type: Pretimed

Maximum v/c Ratio: 0.54

Intersection Signal Delay: 11.5




Intersection LOS: B

Intersection Capacity Utilization 50.0%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 10: Ogden Ave & Jackson Blvd

 02 (R)	 04
56 s	54 s
	 08
	54 s



Intersection

Int Delay, s/veh 0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	0	5	5	80	110	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	5	5	87	120	0

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	218	120	0
Stage 1	120	-	-
Stage 2	98	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	770	931	1468
Stage 1	905	-	-
Stage 2	926	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	767	931	1468
Mov Cap-2 Maneuver	767	-	-
Stage 1	905	-	-
Stage 2	922	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.9	0.4	0
HCM LOS	A	-	-

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1468	-	931	-	-
HCM Lane V/C Ratio	0.004	-	0.006	-	-
HCM Control Delay (s)	7.5	0	8.9	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

Intersection	
Int Delay, s/veh	1.7

Movement	SBL	SBR	NEL	NET	SWT	SWR
Vol, veh/h	0	115	75	910	890	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	125	82	989	967	11

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1631	489	978 0
Stage 1	973	-	-
Stage 2	658	-	-
Critical Hdwy	6.84	6.94	4.14
Critical Hdwy Stg 1	5.84	-	-
Critical Hdwy Stg 2	5.84	-	-
Follow-up Hdwy	3.52	3.32	2.22
Pot Cap-1 Maneuver	92	525	701
Stage 1	327	-	-
Stage 2	477	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	68	525	701
Mov Cap-2 Maneuver	68	-	-
Stage 1	327	-	-
Stage 2	353	-	-

Approach	SB	NE	SW
HCM Control Delay, s	14	1.9	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET SBLn1	SWT	SWR
Capacity (veh/h)	701	- 525	-	-
HCM Lane V/C Ratio	0.116	- 0.238	-	-
HCM Control Delay (s)	10.8	1.2 14	-	-
HCM Lane LOS	B	A B	-	-
HCM 95th %tile Q(veh)	0.4	- 0.9	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	510	5	0	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	1083251712	0	-	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	554	5	0	0	0	0

Major/Minor	Major1		Minor1	
Conflicting Flow All	0	0	557	279
Stage 1	-	-	557	-
Stage 2	-	-	0	-
Critical Hdwy	-	-	7.54	6.94
Critical Hdwy Stg 1	-	-	6.54	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	413	718
Stage 1	-	-	482	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	413	718
Mov Cap-2 Maneuver	-	-	413	-
Stage 1	-	-	482	-
Stage 2	-	-	-	-



















Approach	EB	NB
HCM Control Delay, s	0	0
HCM LOS	A	A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	0	-	-
HCM Lane LOS	A	-	-
HCM 95th %tile Q(veh)	-	-	-

# Lanes, Volumes, Timings

## 3: Damen Ave & Van Buren St

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	0	110	510	450	210	1180	0	0	725	160
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	135		0	75		0	0		0
Storage Lanes	0		0	1		1	1		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.91	0.86	0.91	1.00	0.95	1.00	1.00	0.95	0.95
Frt					0.966	0.850					0.973	
Flt Protected				0.950	0.999		0.950					
Satd. Flow (prot)	0	0	0	1610	3092	1441	1770	3539	0	0	3444	0
Flt Permitted				0.950	0.999		0.209					
Satd. Flow (perm)	0	0	0	1610	3092	1441	389	3539	0	0	3444	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					31	75					37	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		455			1165			520			293	
Travel Time (s)		10.3			26.5			11.8			6.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	120	554	489	228	1283	0	0	788	174
Shared Lane Traffic (%)				10%		34%						
Lane Group Flow (vph)	0	0	0	108	732	323	228	1283	0	0	962	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA	Perm	pm+pt	NA			NA	
Protected Phases					8		5	2				6
Permitted Phases				8		8	2					
Minimum Split (s)				20.5	20.5	20.5	8.5	20.5			33.0	
Total Split (s)				34.0	34.0	34.0	14.0	71.0			57.0	
Total Split (%)				32.4%	32.4%	32.4%	13.3%	67.6%			54.3%	
Maximum Green (s)				30.0	30.0	30.0	11.0	67.0			54.0	
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	0.0	1.0			0.0	
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	3.0	4.0			3.0	
Lead/Lag							Lag				Lead	
Lead-Lag Optimize?							Yes				Yes	
Walk Time (s)				5.0	5.0	5.0		5.0			5.0	
Flash Dont Walk (s)				11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)				0	0	0		0			0	
Act Effct Green (s)				30.0	30.0	30.0	68.0	67.0			54.0	
Actuated g/C Ratio				0.29	0.29	0.29	0.65	0.64			0.51	
v/c Ratio				0.23	0.81	0.69	0.58	0.57			0.54	
Control Delay				30.4	41.5	34.4	24.5	12.0			17.7	

# Lanes, Volumes, Timings

## 3: Damen Ave & Van Buren St

10/26/2015

	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay				0.0	0.0	0.0	0.0	0.0			1.0	
Total Delay				30.4	41.5	34.4	24.5	12.0			18.7	
LOS				C	D	C	C	B			B	
Approach Delay					38.5			13.9			18.7	
Approach LOS					D			B			B	
Queue Length 50th (ft)				61	255	163	56	235			210	
Queue Length 95th (ft)				110	337	278	89	292			268	
Internal Link Dist (ft)		375			1085			440			213	
Turn Bay Length (ft)				135			75					
Base Capacity (vph)				460	905	465	396	2258			1789	
Starvation Cap Reductn				0	0	0	0	0			517	
Spillback Cap Reductn				0	0	0	0	0			0	
Storage Cap Reductn				0	0	0	0	0			0	
Reduced v/c Ratio				0.23	0.81	0.69	0.58	0.57			0.76	

### Intersection Summary

Area Type: Other

Cycle Length: 105

Actuated Cycle Length: 105

Offset: 26 (25%), Referenced to phase 2:NBTL and 6:SBT, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 0.81

Intersection Signal Delay: 23.0





Intersection LOS: C

Intersection Capacity Utilization 61.5%

ICU Level of Service B



















Analysis Period (min) 15

### Splits and Phases: 3: Damen Ave & Van Buren St

 02 (R)		
71 s		
 06 (R)	 05	 08
57 s	14 s	34 s













Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	80	245	30	0	0	0	85	1305	240	95	855	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	75		0	130		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.983						0.977			0.995	
Flt Protected	0.950						0.950			0.950		
Satd. Flow (prot)	1770	1831	0	0	0	0	1770	3458	0	1770	3522	0
Flt Permitted	0.950						0.212			0.121		
Satd. Flow (perm)	1770	1831	0	0	0	0	395	3458	0	225	3522	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		11						47			8	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		439			1025			168			463	
Travel Time (s)		10.0			23.3			3.8			10.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	87	266	33	0	0	0	92	1418	261	103	929	33
Shared Lane Traffic (%)												
Lane Group Flow (vph)	87	299	0	0	0	0	92	1679	0	103	962	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA					Perm	NA		Perm	NA	
Protected Phases		4						2			6	
Permitted Phases	4						2			6		
Minimum Split (s)	20.0	20.0					20.0	20.0		20.0	20.0	
Total Split (s)	29.0	29.0					36.0	36.0		36.0	36.0	
Total Split (%)	44.6%	44.6%					55.4%	55.4%		55.4%	55.4%	
Maximum Green (s)	26.0	26.0					33.0	33.0		33.0	33.0	
Yellow Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
All-Red Time (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Lost Time Adjust (s)	0.0	0.0					0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.0	3.0					3.0	3.0		3.0	3.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0					5.0	5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0					11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0					0	0		0	0	
Act Effct Green (s)	26.0	26.0					33.0	33.0		33.0	33.0	
Actuated g/C Ratio	0.40	0.40					0.51	0.51		0.51	0.51	
v/c Ratio	0.12	0.40					0.46	0.94		0.90	0.54	
Control Delay	13.0	15.5					19.8	28.0		86.1	12.1	

Lanes, Volumes, Timings  
6: Damen Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Queue Delay	0.0	0.0					0.0	2.2		0.0	0.0	
Total Delay	13.0	15.5					19.8	30.2		86.1	12.1	
LOS	B	B					B	C		F	B	
Approach Delay		14.9						29.7			19.3	
Approach LOS		B						C			B	
Queue Length 50th (ft)	21	79					22	300		34	124	
Queue Length 95th (ft)	46	137					65	#476		#125	173	
Internal Link Dist (ft)		359			945			88			383	
Turn Bay Length (ft)	50						75			130		
Base Capacity (vph)	708	739					200	1778		114	1792	
Starvation Cap Reductn	0	0					0	45		0	0	
Spillback Cap Reductn	0	0					0	0		0	0	
Storage Cap Reductn	0	0					0	0		0	0	
Reduced v/c Ratio	0.12	0.40					0.46	0.97		0.90	0.54	

Intersection Summary

Area Type: Other

Cycle Length: 65

Actuated Cycle Length: 65

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

Natural Cycle: 80

Control Type: Pretimed

Maximum v/c Ratio: 0.94

Intersection Signal Delay: 24.5

Intersection LOS: C

Intersection Capacity Utilization 73.7%




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: 6: Damen Ave & Jackson Blvd

 p2 (R)	 p4
65 s	29 s
 p6 (R)	
66 s	

Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St













10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	0	0	0	70	165	30	40	1010	0	0	820	260
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.95
Frt					0.983						0.964	
Flt Protected					0.987			0.998				
Satd. Flow (prot)	0	0	0	0	3434	0	0	3532	0	0	3412	0
Flt Permitted					0.987			0.853				
Satd. Flow (perm)	0	0	0	0	3434	0	0	3019	0	0	3412	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					16						78	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1165			507			454			260	
Travel Time (s)		26.5			11.5			10.3			5.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	76	179	33	43	1098	0	0	891	283
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	288	0	0	1141	0	0	1174	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type				Perm	NA		Perm	NA			NA	
Protected Phases					8			2			6	
Permitted Phases				8			2					
Minimum Split (s)				21.5	21.5		21.5	21.5			21.5	
Total Split (s)				34.0	34.0		56.0	56.0			56.0	
Total Split (%)				37.8%	37.8%		62.2%	62.2%			62.2%	
Maximum Green (s)				29.0	29.0		51.0	51.0			51.0	
Yellow Time (s)				3.0	3.0		3.0	3.0			3.0	
All-Red Time (s)				2.0	2.0		2.0	2.0			2.0	
Lost Time Adjust (s)					0.0			0.0			0.0	
Total Lost Time (s)					5.0			5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)				5.0	5.0		5.0	5.0			5.0	
Flash Dont Walk (s)				11.0	11.0		11.0	11.0			11.0	
Pedestrian Calls (#/hr)				0	0		0	0			0	
Act Effct Green (s)					29.0			51.0			51.0	
Actuated g/C Ratio					0.32			0.57			0.57	
v/c Ratio					0.26			0.67			0.60	
Control Delay					22.0			16.0			1.3	
Queue Delay					0.0			0.0			0.0	
Total Delay					22.0			16.0			1.3	
LOS					C			B			A	



Lanes, Volumes, Timings  
9: Ogden Ave & Van Buren St

10/26/2015




												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Approach Delay					22.0			16.0			1.3	
Approach LOS					C			B			A	
Queue Length 50th (ft)					59			221			3	
Queue Length 95th (ft)					92			291			5	
Internal Link Dist (ft)		1085			427			374			180	
Turn Bay Length (ft)												
Base Capacity (vph)					1117			1710			1967	
Starvation Cap Reductn					0			0			0	
Spillback Cap Reductn					0			0			0	
Storage Cap Reductn					0			0			0	
Reduced v/c Ratio					0.26			0.67			0.60	

Intersection Summary

Area Type: Other  
 Cycle Length: 90  
 Actuated Cycle Length: 90  
 Offset: 52 (58%), Referenced to phase 2:NETL and 6:SWT, Start of Green  
 Natural Cycle: 55  
 Control Type: Pretimed  
 Maximum v/c Ratio: 0.67  
 Intersection Signal Delay: 10.0  
 Intersection Capacity Utilization 73.0%  
 Analysis Period (min) 15

















Intersection LOS: B  
 ICU Level of Service D

Splits and Phases: 9: Ogden Ave & Van Buren St

 ø2 (R)	
56 s	
 ø6 (R)	 ø8
56 s	34 s













Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	115	415	10	0	0	0	0	860	110	10	1010	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	75		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00
Frt		0.996						0.983				
Flt Protected	0.950											
Satd. Flow (prot)	1770	3525	0	0	0	0	0	3479	0	0	3539	0
Flt Permitted	0.950										0.942	
Satd. Flow (perm)	1770	3525	0	0	0	0	0	3479	0	0	3334	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3						24				
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		243			463			356			466	
Travel Time (s)		5.5			10.5			8.1			10.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	125	451	11	0	0	0	0	935	120	11	1098	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	125	462	0	0	0	0	0	1055	0	0	1109	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway 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
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA						NA		Perm	NA	
Protected Phases		2						8			4	
Permitted Phases	2									4		
Minimum Split (s)	21.0	21.0						21.0		21.0	21.0	
Total Split (s)	36.0	36.0						54.0		54.0	54.0	
Total Split (%)	40.0%	40.0%						60.0%		60.0%	60.0%	
Maximum Green (s)	31.0	31.0						49.0		49.0	49.0	
Yellow Time (s)	3.0	3.0						3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0						2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0						0.0			0.0	
Total Lost Time (s)	5.0	5.0						5.0			5.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0						5.0		5.0	5.0	
Flash Dont Walk (s)	11.0	11.0						11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0						0		0	0	
Act Effct Green (s)	31.0	31.0						49.0			49.0	
Actuated g/C Ratio	0.34	0.34						0.54			0.54	
v/c Ratio	0.21	0.38						0.55			0.61	
Control Delay	22.0	23.2						12.9			15.8	

Lanes, Volumes, Timings  
10: Ogden Ave & Jackson Blvd

10/26/2015

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Queue Delay	0.0	0.0						0.0			0.0	
Total Delay	22.0	23.2						12.9			15.8	
LOS	C	C						B			B	
Approach Delay		23.0						12.9			15.8	
Approach LOS		C						B			B	
Queue Length 50th (ft)	50	102						113			212	
Queue Length 95th (ft)	91	144						183			276	
Internal Link Dist (ft)		163			383			276			386	
Turn Bay Length (ft)	75											
Base Capacity (vph)	609	1216						1905			1815	
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	0.21	0.38						0.55			0.61	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 4 (4%), Referenced to phase 2:EBTL, Start of Green

Natural Cycle: 45

Control Type: Pretimed

Maximum v/c Ratio: 0.61

Intersection Signal Delay: 16.2




Intersection LOS: B

Intersection Capacity Utilization 55.1%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 10: Ogden Ave & Jackson Blvd

 02 (R)	 04
56 s	54 s
	 08
	54 s

## Intersection

Int Delay, s/veh 0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	550	30	0	0	0	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Stop	Stop	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	1083180032	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	598	33	0	0	0	5

Major/Minor	Major1		Minor1	
Conflicting Flow All	0	0	614	314
Stage 1	-	-	614	-
Stage 2	-	-	0	-
Critical Hdwy	-	-	7.54	6.94
Critical Hdwy Stg 1	-	-	6.54	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	376	682
Stage 1	-	-	446	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	376	682
Mov Cap-2 Maneuver	-	-	376	-
Stage 1	-	-	446	-
Stage 2	-	-	-	-

Approach	EB	NB
HCM Control Delay, s	0	10.3
HCM LOS		B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR
Capacity (veh/h)	682	-	-
HCM Lane V/C Ratio	0.008	-	-
HCM Control Delay (s)	10.3	-	-
HCM Lane LOS	B	-	-
HCM 95th %tile Q(veh)	0	-	-

Intersection

Int Delay, s/veh 1.6

Movement	SBL	SBR	NEL	NET	SWT	SWR
Vol, veh/h	0	85	70	970	1000	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	92	76	1054	1087	22

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1777	554	1109 0
Stage 1	1098	-	-
Stage 2	679	-	-
Critical Hdwy	6.84	6.94	4.14
Critical Hdwy Stg 1	5.84	-	-
Critical Hdwy Stg 2	5.84	-	-
Follow-up Hdwy	3.52	3.32	2.22
Pot Cap-1 Maneuver	74	476	625
Stage 1	281	-	-
Stage 2	465	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	52	476	625
Mov Cap-2 Maneuver	52	-	-
Stage 1	281	-	-
Stage 2	328	-	-

Approach	SB	NE	SW
HCM Control Delay, s	14.4	2.2	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	SBLn1	SWT	SWR
Capacity (veh/h)	625	-	476	-	-
HCM Lane V/C Ratio	0.122	-	0.194	-	-
HCM Control Delay (s)	11.6	1.5	14.4	-	-
HCM Lane LOS	B	A	B	-	-
HCM 95th %tile Q(veh)	0.4	-	0.7	-	-

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	5	15	20	70	70	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	16	22	76	76	0

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	196	76	76
Stage 1	76	-	-
Stage 2	120	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	793	985	1523
Stage 1	947	-	-
Stage 2	905	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	781	985	1523
Mov Cap-2 Maneuver	781	-	-
Stage 1	947	-	-
Stage 2	891	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9	1.6	0
HCM LOS	A	-	-

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1523	-	925	-	-
HCM Lane V/C Ratio	0.014	-	0.024	-	-
HCM Control Delay (s)	7.4	0	9	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

## **Affidavit**

"WRITTEN NOTICE"  
FORM OF AFFIDAVIT  
(Section 17-13-0107)

November 19, 2015

Honorable Daniel S. Solis  
Chairman, Committee on Zoning  
121 North LaSalle Street  
Room 304, City Hall  
Chicago, Illinois 60602

The undersigned, Donna J. Pugh, being first duly sworn on oath deposes and states the following:

The undersigned certifies that she has complied with the requirements of Section 17-13-0107 of the Chicago Zoning Ordinance, 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 to the owners of all property within 250 feet in each direction of the lot line of the subject property, exclusive of public roads, streets, alleys and other public ways, or a total distance limited to 400 feet. Said "written notice" was sent by First Class U.S. Mail, no more than 30 days before filing the application.

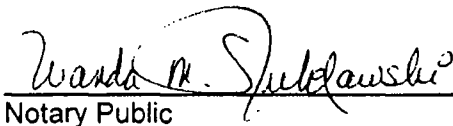
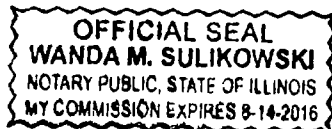
The undersigned certifies that the notice contained the address of the property sought to be rezoned; a statement of the intended use of the property; the name and address of the applicant; the name and address of the owner; and a statement that the applicant intends to file the application for a change in zoning on approximately November 19, 2015.

The undersigned certifies that the applicant has made a bona fide effort to determine the addresses of the parties to be notified under Section 17-13-0107 of the Chicago Zoning Ordinance, and that the accompanying list of names and addresses of surrounding property owners within 250 feet of the subject site is a complete list containing the names and addresses of the people required to be served.



Donna J. Pugh  
Foley & Lardner LLP

Subscribed and Sworn to before me this  
19TH day of NOVEMBER, 2015.

  
Notary Public



## Legal Notice

November 19, 2015

**VIA FIRST CLASS U.S. MAIL**

To: All owners of record of properties  
that are located within 250 feet of  
1801-1853 West Jackson Boulevard  
Chicago, IL 60612

Dear Property Owner:

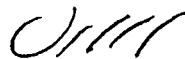
In accordance with the requirements for an Amendment to the Chicago Zoning Ordinance, specifically Section 17-13-0107, please be informed that on or about November 19, 2015, the undersigned will file an application for a change in zoning from B3-3 Community Shopping District to an Institutional Planned Development on behalf of Applicant Blackhawk Community Ice Rink, LLC for the property located at 1801-1853 Jackson Boulevard, Chicago, Illinois 60612.

The applicant intends to use the subject property to develop a professional hockey team practice facility and community ice rink.

Blackhawk Community Ice Rink, LLC is located at 680 North Lake Shore Drive, Suite 1900, Chicago, IL 60611. The contact person for this application is attorney Donna J. Pugh, Foley & Lardner LLP, 321 North Clark Street, Suite 2800, Chicago, IL 60654. The current owner for this property is the Board of Trustees of Community College District No. 508 and is located at 226 West Jackson, Chicago, IL 60606.

Please note that the applicant is not seeking to rezone or purchase your property. The applicant is required by law to send this notice because you own property within 250 feet of the property to be rezoned.

Sincerely,



Donna J. Pugh  
Foley & Lardner LLP

DJP:mbg

#18583  
INTRO DATE  
Dec 9, 2015

CITY OF CHICAGO

APPLICATION FOR AN AMENDMENT TO  
THE CHICAGO ZONING ORDINANCE

1. ADDRESS of the property Applicant is seeking to rezone:

1801 – 1853 W. Jackson Blvd.

2. Ward Number that property is located in: 27th

3. APPLICANT Blackhawk Community Ice Rink, LLC

ADDRESS 680 N. Lake Shore Drive, Suite 1900 CITY Chicago

STATE IL ZIP CODE 60611 PHONE (312) 943-7000

EMAIL don.vitek@wirtzrealty.com CONTACT PERSON Don Vitek

4. Is the applicant the owner 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 Board of Trustees of Community College District No. 508

ADDRESS 226 W. Jackson Blvd. CITY Chicago

STATE IL ZIP CODE 60606 PHONE 312-553-2538

EMAIL emunin@ccc.edu CONTACT PERSON Eugene Munin

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

ATTORNEY Donna J. Pugh, Foley & Lardner LLP

ADDRESS 321 North Clark Street, Suite 2800

CITY Chicago STATE IL ZIP CODE 60654

PHONE (312) 832-4596 FAX (312) 832-4700 EMAIL djpugh@foley.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.

Blackhawk Community Ice Rink, LLC

Chicago Stadium Corporation

Wirtz Corporation

7. On what date did the owner acquire legal title to the subject property? N/A

8. Has the present owner previously rezoned this property? If yes when?

No

9. Present Zoning District B3-3 Proposed Zoning District Institutional Planned Development

10. Lot size in square feet (or dimensions) Approximately 174,240 sq. ft.

11. Current Use of the property Academic/Institutional

12. Reason for rezoning the property To develop a professional hockey team practice facility and community ice rink.

13. Describe the proposed use of the property after the rezoning. Indicate the number of dwelling units; number of parking spaces; approximate square footage of any commercial space; and height of the proposed building.

94,585 sq ft hockey practice facility/community ice rink; 127 parking spaces;

26 bicycle spaces; building height: 52 feet

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](http://www.cityofchicago.org/ARO) for more information). Is this project subject to the ARO?

YES \_\_\_\_\_ NO X

COUNTY OF COOK  
STATE OF ILLINOIS

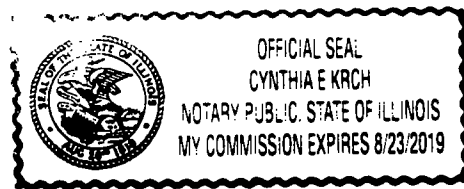
Nadine Heidrich, being first duly sworn on oath, states that all of the above statements and the statements contained in the documents submitted herewith are true and correct.

Blackhawk Community Ice Rink, LLC

By: Nadine Heidrich  
Signature of Applicant, CFO & Treasurer of  
Chicago Stadium Corporation, its sole member

Subscribed and Sworn to before me this  
19<sup>TH</sup> day of NOVEMBER, 2015.

Cynthia E Krch  
Notary Public



**For Office Use Only**

Date of Introduction: \_\_\_\_\_

File Number: \_\_\_\_\_

Ward: \_\_\_\_\_

1992

**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:

Blackhawk Community Ice Rink, 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 holding a direct or indirect interest in the Applicant. State the legal name of the Applicant in which the Disclosing Party holds an interest: \_\_\_\_\_  
OR

3. ☐ a legal entity with a right of control (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: 680 N. Lake Shore Drive, 19th Floor  
Chicago, IL 60611

C. Telephone: (312) 475-6327 Fax: (312) 943-9017 Email: Nadine.Heidrich@wirtzcorp.com

D. Name of contact person: Nadine Heidrich

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

F. Brief description of contract, transaction or other undertaking (referred to below as the "Matter") to which this EDS pertains. (Include project number and location of property, if applicable):

Planned Development Approval for 1801 - 1853 W. Jackson Blvd.

G. Which City agency or department is requesting this EDS? Department of Planning

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 ☐ N/A

### B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles of all executive officers and all directors of the entity. **NOTE:** For not-for-profit corporations, also list below all members, if any, which are legal entities. If there are no such members, write "no members." For trusts, estates or other similar entities, list below the legal titleholder(s).

If the entity is a general partnership, limited partnership, limited liability company, limited liability partnership or joint venture, list below the name and title of each general partner, managing member, manager or any other person or entity that controls the day-to-day management of the Disclosing Party.

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

Name	Title
Chicago Stadium Corporation	Managing Member

2. Please provide the following information concerning each person or entity having a direct or indirect beneficial interest (including ownership) in excess of 7.5% of the Disclosing Party. 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:** Pursuant to Section 2-154-030 of the Municipal Code of Chicago ("Municipal Code"), the City may require any such additional information from any applicant which is reasonably intended to achieve full disclosure.

Name	Business Address	Percentage Interest in the Disclosing Party
Chicago Stadium Corporation	680 N. Lake Shore Drive 19th Floor Chicago, IL 60611	100%

### SECTION III -- BUSINESS RELATIONSHIPS WITH CITY ELECTED OFFICIALS

Has the Disclosing Party had a "business relationship," as defined in Chapter 2-156 of the Municipal Code, with any City elected official in the 12 months before the date this EDS is signed?

☐ Yes ☒ No

If yes, please identify below the name(s) of such City elected official(s) and describe such relationship(s):

### SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist, 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.

"Lobbyist" means any person or entity who undertakes to influence any legislative or administrative action on behalf of any person or entity other than: (1) a not-for-profit entity, on an unpaid basis, or (2) himself. "Lobbyist" also means any person or entity any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action.

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.
<u>Foley &amp; Lardner - Retained</u>		<u>Attorney</u>	<u>125,000 estimated</u>
<u>HOK - To be retained</u>		<u>Architect</u>	<u>100,000 estimated</u>
<u>Sam Schwartz Engineering - To be retained</u>		<u>Traffic Consultant</u>	<u>10,000 estimated</u>
<u>Christy Webber Landscapes - To be retained</u>		<u>Landscape Architect</u>	<u>25,000 estimated</u>

(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 Municipal Code 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. Pursuant to Municipal Code Chapter 1-23, Article I ("Article I")(which the Applicant should consult for defined terms (e.g., "doing business") and legal requirements), if the Disclosing Party submitting this EDS is the Applicant and is doing business with the City, then the Disclosing Party certifies as follows: (i) neither the Applicant nor any controlling person 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 Article I applies to the Applicant, the permanent compliance timeframe in Article I supersedes some five-year compliance timeframes in certifications 2 and 3 below.

2. 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, within a five-year period preceding 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 clause B.2.b. of this Section V;
- d. have not, within a five-year period preceding the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, within a five-year period preceding 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.

3. The certifications in subparts 3, 4 and 5 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 five years before the date this EDS is signed, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the five 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 a. or b. above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions of Municipal Code Section 2-92-610 (Living Wage Ordinance).

4. Neither the Disclosing Party, 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.

5. Neither the Disclosing Party nor any Affiliated Entity is listed on any of the following lists maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury or the Bureau of Industry and Security of the U.S. Department of Commerce or their successors: the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List and the Debarred List.

6. The Disclosing Party understands and shall comply with the applicable requirements of Chapters 2-55 (Legislative Inspector General), 2-56 (Inspector General) and 2-156 (Governmental Ethics) of the Municipal Code.

7. 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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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.

8. 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 execution 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

---

9. 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 \$20 per recipient (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 Section 2-32-455(b) of the Municipal Code.

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 Chapter 2-32 of the Municipal Code. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in Chapter 2-32 of the Municipal Code. 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 Section 2-32-455(b) of the Municipal Code) is a predatory lender within the meaning of Chapter 2-32 of the Municipal Code, explain here (attach additional pages if necessary):

---

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 INTEREST IN CITY BUSINESS

Any words or terms that are defined in Chapter 2-156 of the Municipal Code have the same meanings when used in this Part D.

1. In accordance with Section 2-156-110 of the Municipal Code: 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., 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 interest and identify the nature of such interest:

Name	Business Address	Nature of Interest

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 paragraph 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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## **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 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 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".

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

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 -- ACKNOWLEDGMENTS, CONTRACT INCORPORATION, COMPLIANCE, PENALTIES, DISCLOSURE

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 and Campaign Financing Ordinances, Chapters 2-156 and 2-164 of the Municipal Code, impose certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of these ordinances and a training program is available on line at [www.cityofchicago.org/Ethics](http://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 the applicable ordinances.

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 transactions with the City. 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 on this EDS and any attachments to this EDS may be made available to the public 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 Article I of Chapter 1-23 of the Municipal Code (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by Chapter 1-23 and Section 2-154-020 of the Municipal Code.

The Disclosing Party represents and warrants that:

F.1. The Disclosing Party is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, nor are the Disclosing Party or its Affiliated Entities delinquent in paying any fine, fee, tax or other charge owed to the City. This includes, but is not limited to, all water charges, sewer charges, license fees, parking tickets, property taxes or sales taxes.

F.2 If the Disclosing Party is the Applicant, the Disclosing Party and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed by the U.S. E.P.A. on the federal Excluded Parties List System ("EPLS") maintained by the U. S. General Services Administration.

F.3 If the Disclosing Party is the Applicant, the Disclosing Party 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 F.1. and F.2. 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 Disclosing Party has reason to believe has not provided or cannot provide truthful certifications.

NOTE: If the Disclosing Party cannot certify as to any of the items in F.1., F.2. or F.3. above, an explanatory statement must be attached to this EDS.

#### CERTIFICATION

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

Blackhawk Community Ice Rink, LLC  
(Print or type name of Disclosing Party)

By: Nadine Heidrich  
(Sign here)

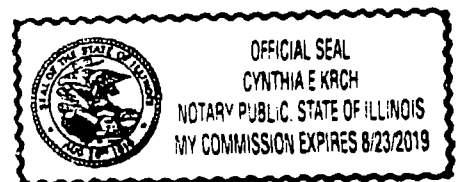
Nadine Heidrich  
(Print or type name of person signing)

Authorized Representative  
(Print or type title of person signing)

Signed and sworn to before me on (date) 10-5-15  
at COOK County, ILLINOIS (state).

Cynthia E. Kuch Notary Public.

Commission expires: 8/23/2019



**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 percent. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.**

Under Municipal Code 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 percent 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.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**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 percent (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 Municipal Code Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to Section 2-92-416 of the Municipal Code?

☐ 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 Section 2-92-416 of the Municipal Code?

☐ Yes

☐ No

☒ Not Applicable

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FILLING OUT THIS APPENDIX B CONSTITUTES ACKNOWLEDGMENT AND AGREEMENT THAT THIS APPENDIX B IS INCORPORATED BY REFERENCE INTO, AND MADE A PART OF, THE ASSOCIATED EDS, AND THAT THE REPRESENTATIONS MADE IN THIS APPENDIX B ARE SUBJECT TO THE CERTIFICATION MADE UNDER PENALTY OF PERJURY ON PAGE 12 OF THE ASSOCIATED EDS.**

**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 ;

Chicago Stadium Corporation

**Check ONE of the following three boxes ;**

Indicate whether the Disclosing Party submitting this EDS is:

1. ☐ the Applicant

OR

2. ☒ a legal entity holding a direct or indirect interest in the Applicant. State the legal name of the Applicant in which the Disclosing Party holds an interest ; Blackhawk Community Ice Rink, LLC

OR

3. ☐ a legal entity with a right of control (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: 680 N. Lake Shore Drive, 19th Floor

Chicago, IL 60611

C. Telephone : (312) 475-6327 Fax : (312) 943-9017 Email : Nadine.Heidrich@wirtzcorp.com

D. Name of contact person: Nadine Heidrich

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

F. Brief description of contract, transaction or other undertaking (referred to below as the "Matter") to which this EDS pertains. (Include project number and location of property, if applicable):

Planned Development approval for 1801 - 1853 W. Jackson Blvd.

G. Which City agency or department is requesting this EDS? Department of Planning

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:

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 ☐ N/A

### B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles of all executive officers and all directors of the entity.

**NOTE:** For not-for-profit corporations, also list below all members, if any, which are legal entities. If there are no such members, write "no members." For trusts, estates or other similar entities, list below the legal titleholder(s).

If the entity is a general partnership, limited partnership, limited liability company, limited liability partnership or joint venture, list below the name and title of each general partner, managing member, manager or any other person or entity that controls the day-to-day management of the Disclosing Party.

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

Name	Title
------	-------

See attached list.	
--------------------	--

2. Please provide the following information concerning each person or entity having a direct or indirect beneficial interest (including ownership) in excess of 7.5% of the Disclosing Party. 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.** Pursuant to Section 2-154-030 of the Municipal Code of Chicago ("Municipal Code"), the City may require any such additional information from any applicant which is reasonably intended to achieve full disclosure.

Name	Business Address	Percentage Interest in the Disclosing Party
Wirtz Corporation	680 N. Lake Shore Drive 19th Floor Chicago, IL 60611	100%

### SECTION III -- BUSINESS RELATIONSHIPS WITH CITY ELECTED OFFICIALS

Has the Disclosing Party had a "business relationship," as defined in Chapter 2-156 of the Municipal Code, with any City elected official in the 12 months before the date this EDS is signed?

☐ Yes ☒ No

If yes, please identify below the name(s) of such City elected official(s) and describe such relationship(s):

### SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist, 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.

"Lobbyist" means any person or entity who undertakes to influence any legislative or administrative action on behalf of any person or entity other than: (1) a not-for-profit entity, on an unpaid basis, or (2) himself. "Lobbyist" also means any person or entity any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action.

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.) <b>NOTE:</b> "hourly rate" or "t.b.d." is not an acceptable response.

(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 Municipal Code 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. Pursuant to Municipal Code Chapter 1-23, Article I ("Article I")(which the Applicant should consult for defined terms (e.g., "doing business") and legal requirements), if the Disclosing Party submitting this EDS is the Applicant and is doing business with the City, then the Disclosing Party certifies as follows: (i) neither the Applicant nor any controlling person 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 Article I applies to the Applicant, the permanent compliance timeframe in Article I supersedes some five-year compliance timeframes in certifications 2 and 3 below.



2. 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, within a five-year period preceding 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 clause B.2.b. of this Section V;
- d. have not, within a five-year period preceding the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, within a five-year period preceding 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.

3. The certifications in subparts 3, 4 and 5 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 five years before the date this FDS is signed, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the five 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 a. or b. above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions of Municipal Code Section 2-92-610 (Living Wage Ordinance).

4. Neither the Disclosing Party, 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.

5. Neither the Disclosing Party nor any Affiliated Entity is listed on any of the following lists maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury or the Bureau of Industry and Security of the U.S. Department of Commerce or their successors: the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List and the Debarred List.

6. The Disclosing Party understands and shall comply with the applicable requirements of Chapters 2-55 (Legislative Inspector General), 2-56 (Inspector General) and 2-156 (Governmental Ethics) of the Municipal Code.

7. 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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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.

8. 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 execution 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

9. 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 \$20 per recipient (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 Section 2-32-455(b) of the Municipal Code.

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 Chapter 2-32 of the Municipal Code. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in Chapter 2-32 of the Municipal Code. 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 Section 2-32-455(b) of the Municipal Code) is a predatory lender within the meaning of Chapter 2-32 of the Municipal Code, explain here (attach additional pages if necessary):

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 INTEREST IN CITY BUSINESS

Any words or terms that are defined in Chapter 2-156 of the Municipal Code have the same meanings when used in this Part D.

1. In accordance with Section 2-156-110 of the Municipal Code: 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., 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 interest and identify the nature of such interest:

Name

Business Address

Nature of Interest


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 paragraph 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **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 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 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".

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

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 -- ACKNOWLEDGMENTS, CONTRACT INCORPORATION, COMPLIANCE, PENALTIES, DISCLOSURE

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 and Campaign Financing Ordinances, Chapters 2-156 and 2-164 of the Municipal Code, impose certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of these ordinances and a training program is available on line at [www.cityofchicago.org/ethics](http://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 the applicable ordinances.

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 transactions with the City. 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 on this EDS and any attachments to this EDS may be made available to the public 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 Article I of Chapter 1-23 of the Municipal Code (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by Chapter 1-23 and Section 2-154-020 of the Municipal Code.

The Disclosing Party represents and warrants that:

F.1. The Disclosing Party is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, nor are the Disclosing Party or its Affiliated Entities delinquent in paying any fine, fee, tax or other charge owed to the City. This includes, but is not limited to, all water charges, sewer charges, license fees, parking tickets, property taxes or sales taxes.

F.2 If the Disclosing Party is the Applicant, the Disclosing Party and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed by the U.S. E.P.A. on the federal Excluded Parties List System ("EPLS") maintained by the U. S. General Services Administration.

F.3 If the Disclosing Party is the Applicant, the Disclosing Party 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 F.1. and F.2. 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 Disclosing Party has reason to believe has not provided or cannot provide truthful certifications.

NOTE: If the Disclosing Party cannot certify as to any of the items in F.1., F.2. or F.3. above, an explanatory statement must be attached to this EDS.

#### CERTIFICATION

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

Chicago Stadium Corporation  
(Print or type name of Disclosing Party)

By: Nadine Heidrich  
(Sign here)

Nadine Heidrich  
(Print or type name of person signing)

CFO & Treasurer  
(Print or type title of person signing)

Signed and sworn to before me on (date) 10-5-15  
at COOK County, ILLINOIS (state).

Cynthia E. Krch Notary Public.

Commission expires: 8/23/2019





**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 percent. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.**

Under Municipal Code 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 percent 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.

**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 percent (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 Municipal Code Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to Section 2-92-416 of the Municipal Code?

☐ 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 Section 2-92-416 of the Municipal Code?

☐ Yes

☐ No

☒ Not Applicable

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FILLING OUT THIS APPENDIX B CONSTITUTES ACKNOWLEDGMENT AND AGREEMENT THAT THIS APPENDIX B IS INCORPORATED BY REFERENCE INTO, AND MADE A PART OF, THE ASSOCIATED EDS, AND THAT THE REPRESENTATIONS MADE IN THIS APPENDIX B ARE SUBJECT TO THE CERTIFICATION MADE UNDER PENALTY OF PERJURY ON PAGE 12 OF THE ASSOCIATED EDS.**

**Chicago Stadium Corporation**  
***Officers and Directors***

<b><u>Title</u></b>	<b><u>Name</u></b>
President	W. Rockwell Wirtz
Vice President	Bruce W. MacArthur
Secretary	Wade Wacholz
CFO & Treasurer	Nadine Heidrich
Assistant Secretary & Treasurer	Cynthia E. Krch
Directors	W. Rockwell Wirtz
	Donald Hunter
	Bruce W. MacArthur

**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:

Wirtz Corporation

**Check ONE of the following three boxes:**

Indicate whether the Disclosing Party submitting this EDS is:

1. ☐ the Applicant

OR

2. ☒ a legal entity holding a direct or indirect interest in the Applicant. State the legal name of the Applicant in which the Disclosing Party holds an interest: Blackhawk Community Ice Rink, LLC

OR

3. ☐ a legal entity with a right of control (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: 680 N. Lake Shore Drive, 19th Floor

Chicago, IL 60611

C. Telephone: (312) 475-6327 Fax: (312) 943-9017 Email: Nadine.Heidrich@wirtzcorp.com

D. Name of contact person: Nadine Heidrich

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

F. Brief description of contract, transaction or other undertaking (referred to below as the "Matter") to which this EDS pertains. (Include project number and location of property, if applicable):

Planned Development approval for 1801 - 1853 W. Jackson Blvd.

G. Which City agency or department is requesting this EDS? Department of Planning

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:

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 ☐ N/A

### B. IF THE DISCLOSING PARTY IS A LEGAL ENTITY:

1. List below the full names and titles of all executive officers and all directors of the entity.

**NOTE:** For not-for-profit corporations, also list below all members, if any, which are legal entities. If there are no such members, write "no members." For trusts, estates or other similar entities, list below the legal titleholder(s).

If the entity is a general partnership, limited partnership, limited liability company, limited liability partnership or joint venture, list below the name and title of each general partner, managing member, manager or any other person or entity that controls the day-to-day management of the Disclosing Party.

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

Name	Title
------	-------

See attached list.

2. Please provide the following information concerning each person or entity having a direct or indirect beneficial interest (including ownership) in excess of 7.5% of the Disclosing Party. 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:** Pursuant to Section 2-154-030 of the Municipal Code of Chicago ("Municipal Code"), the City may require any such additional information from any applicant which is reasonably intended to achieve full disclosure.

Name	Business Address	Percentage Interest in the Disclosing Party
W. Rockwell Wirtz	680 N. Lake Shore Drive	80%
	19th Floor	
	Chicago, IL 60611	

### SECTION III -- BUSINESS RELATIONSHIPS WITH CITY ELECTED OFFICIALS

Has the Disclosing Party had a "business relationship," as defined in Chapter 2-156 of the Municipal Code, with any City elected official in the 12 months before the date this EDS is signed?

☐ Yes

☒ No

If yes, please identify below the name(s) of such City elected official(s) and describe such relationship(s):

\_\_\_\_\_

\_\_\_\_\_

### SECTION IV -- DISCLOSURE OF SUBCONTRACTORS AND OTHER RETAINED PARTIES

The Disclosing Party must disclose the name and business address of each subcontractor, attorney, lobbyist, 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.

"Lobbyist" means any person or entity who undertakes to influence any legislative or administrative action on behalf of any person or entity other than: (1) a not-for-profit entity, on an unpaid basis, or (2) himself. "Lobbyist" also means any person or entity any part of whose duties as an employee of another includes undertaking to influence any legislative or administrative action.

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.
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(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 Municipal Code 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. Pursuant to Municipal Code Chapter 1-23, Article I ("Article I")(which the Applicant should consult for defined terms (e.g., "doing business") and legal requirements), if the Disclosing Party submitting this EDS is the Applicant and is doing business with the City, then the Disclosing Party certifies as follows: (i) neither the Applicant nor any controlling person 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 Article I applies to the Applicant, the permanent compliance timeframe in Article I supersedes some five-year compliance timeframes in certifications 2 and 3 below.

2. 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, within a five-year period preceding 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 clause B.2.b. of this Section V;
- d. have not, within a five-year period preceding the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, within a five-year period preceding 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.

3. The certifications in subparts 3, 4 and 5 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 five years before the date this EDS is signed, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the five 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 a. or b. above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions of Municipal Code Section 2-92-610 (Living Wage Ordinance).

4. Neither the Disclosing Party, 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.

5. Neither the Disclosing Party nor any Affiliated Entity is listed on any of the following lists maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury or the Bureau of Industry and Security of the U.S. Department of Commerce or their successors: the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List and the Debarred List.

6. The Disclosing Party understands and shall comply with the applicable requirements of Chapters 2-55 (Legislative Inspector General), 2-56 (Inspector General) and 2-156 (Governmental Ethics) of the Municipal Code.

7. 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:

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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.

8. 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 execution 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

9. 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 \$20 per recipient (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 Section 2-32-455(b) of the Municipal Code.

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 Chapter 2-32 of the Municipal Code. We further pledge that none of our affiliates is, and none of them will become, a predatory lender as defined in Chapter 2-32 of the Municipal Code. 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 Section 2-32-455(b) of the Municipal Code) is a predatory lender within the meaning of Chapter 2-32 of the Municipal Code, explain here (attach additional pages if necessary):

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 INTEREST IN CITY BUSINESS

Any words or terms that are defined in Chapter 2-156 of the Municipal Code have the same meanings when used in this Part D.

1. In accordance with Section 2-156-110 of the Municipal Code: 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., 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 interest and identify the nature of such interest:

Name	Business Address	Nature of Interest

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 paragraph 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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## **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 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 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".

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? (Sec 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

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 -- ACKNOWLEDGMENTS, CONTRACT INCORPORATION, COMPLIANCE, PENALTIES, DISCLOSURE

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 and Campaign Financing Ordinances, Chapters 2-156 and 2-164 of the Municipal Code, impose certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of these ordinances and a training program is available online at [www.cityofchicago.org/Ethics](http://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 the applicable ordinances.

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 transactions with the City. 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 on this EDS and any attachments to this EDS may be made available to the public 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 Article I of Chapter 1-23 of the Municipal Code (imposing **PERMANENT INELIGIBILITY** for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by Chapter 1-23 and Section 2-154-020 of the Municipal Code.

The Disclosing Party represents and warrants that:

F.1. The Disclosing Party is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, nor are the Disclosing Party or its Affiliated Entities delinquent in paying any fine, fee, tax or other charge owed to the City. This includes, but is not limited to, all water charges, sewer charges, license fees, parking tickets, property taxes or sales taxes.

F.2 If the Disclosing Party is the Applicant, the Disclosing Party and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed by the U.S. E.P.A. on the federal Excluded Parties List System ("EPLS") maintained by the U.S. General Services Administration.

F.3 If the Disclosing Party is the Applicant, the Disclosing Party 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 F.1. and F.2. 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 Disclosing Party has reason to believe has not provided or cannot provide truthful certifications.

NOTE: If the Disclosing Party cannot certify as to any of the items in F.1., F.2. or F.3. above, an explanatory statement must be attached to this EDS.

#### CERTIFICATION

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

Wirtz Corporation  
(Print or type name of Disclosing Party)

By: Nadine Heidrich  
(Sign here)

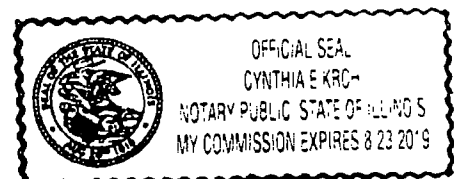
Nadine Heidrich  
(Print or type name of person signing)

Vice President, CFO & Treasurer  
(Print or type title of person signing)

Signed and sworn to before me on (date) 10-5-15  
at COOK County, ILLINOIS (state).

Cynthia E. Krc Notary Public.

Commission expires: 8-23-2019



**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 percent. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.**

Under Municipal Code 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 percent 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.

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\_\_\_\_\_  
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**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 percent (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 Municipal Code Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to Section 2-92-416 of the Municipal Code?

☐ 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 Section 2-92-416 of the Municipal Code?

☐ Yes

☐ No

☒ Not Applicable

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

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**FILLING OUT THIS APPENDIX B CONSTITUTES ACKNOWLEDGMENT AND AGREEMENT THAT THIS APPENDIX B IS INCORPORATED BY REFERENCE INTO, AND MADE A PART OF, THE ASSOCIATED EDS, AND THAT THE REPRESENTATIONS MADE IN THIS APPENDIX B ARE SUBJECT TO THE CERTIFICATION MADE UNDER PENALTY OF PERJURY ON PAGE 12 OF THE ASSOCIATED EDS.**

**Wirtz Corporation**  
***Officers and Directors***

<b>Title</b>	<b>Name</b>
President	W. Rockwell Wirtz
Vice President	Nadine Heidrich
Secretary	Wade Wacholz
CFO & Treasurer	Nadine Heidrich
Assistant Secretary & Treasurer	Cynthia E. Krch
Assistant Treasurer	Linda S. Boskelly
Directors	W. Rockwell Wirtz
	Wade Wacholz
	Bruce W. MacArthur
	Daniel R. Wirtz
	Edwin H. Callison, Jr.
	Jeffrey Vender
	John Miller
	Arthur M. Wirtz, III