

River Forest Zoning Analysis

Item	Zoning Type	Code Section - Table	Allowed/Req'd	Provided	Notes
1.01	Zoning District	Per Zoning Map	C-3 & PD-2198	C-3 & PD-2198	Referencing C-3 & R-4 for Zoning Items where applicable
	a) use of property		C-3 : Commercial & R-4 Residential	C-3 : Commercial & R-4 Residential	
1.02	Landmark Building / Landmark District		NA	NA	Not a Landmark Per River Forest Landmark Map
1.03	Lot Area	10-14-3 & 10-14-5	36,414 SF	36, 414	In the C3 district , 10-14-5 : any building and it's accessory building ... may occupy one hundred percent of the lot on which it is built.
1.04	Maximum Floor Area Ratio	10-14-5: LOT COVERAGE AND FLOOR AREA RATIO	91,035 SF * See Notes	89,115	FAR = 2.5 (C-3 Zone) X 36,414 SF (Lot Area) = 91,035 FAR
1.05	Building Height	10-14-6: HEIGHT REGULATIONS	50 FT	+/- 80 FT	Per C3 district
1.06	Minimum Yards	10-14-7: SETBACK REGULATIONS	NA	None	See notes in Line 1.03 : Building may occupy 100 percent of lot
1.07	Number of Dwelling Units	10-14-3 - Minimum Land Area	13	32	4 Residential Floors at 8 Units Per floor
1.08	Grade Elevation : Per Township		TBD	TBD	Establish Project Elevation : Per Township Grade Elevation of Lot
1.09	Off Street Loading	Zoning 10-11-9 & 10-12-9 : OFF STREET LOADING	(1) Loading space for Residential, (1) Loading space for Commercial	(1) Loading space for Residential, (1) Loading space for Commercial	R-4 : 1 Loading per 30 Dwelling Units C-3 : 1 Loading (5,000 sf to 50,000 sf)
1.10	Off street Parking	10-11-8 & 10-14-8 OFF STREET PARKING	87* See Notes	86	R-4 : 1 spot per 2.5 Units + 1 Visitor per 5 Units = 86.4 = 87 total C-3 : The anticipated use and tenancy is expected to be service retail establishments which does not require off-street parkingvParking Required per Zoning (10-14-8)
1.11	Landscape	5-8-3 : Trees Guarded during Construction	(10) Existing	(9) to remain*	(1) tree to be removed for parking garage entrance

Minimum Land Area

Per the zoning code:

10-14-3: MINIMUM LAND AREA:

In the C3 district, no less than two thousand eight hundred square feet of land area shall be provided for every residential unit. (Ord. 2941, 10-22-2001)

the square footage of land area to unit square footage (36,414 by 2800 = 13 units permitted)

Lake and Lathrop Partnership is planning on providing 32 units.

The public/private partnership or Lake Lathrop Partners LLC overall design is to fit within the aesthetics and complement the surrounding uses.



.....MQ' UVQP GXGP VWTGU'

Parking

Per the zoning code:

O. Except as provided in subsection 10-19-4B of this chapter, no planned development containing multi-family housing shall be approved unless the following standards are met:

1. At least 2.5 parking spaces per dwelling unit are provided for. This requirement may be met by a contract, easement or other device providing permanent rights to off-site parking;

The R-4 1 spot per 2.5 dwelling unit plus 1 visitor per 5 unit = 86.4 total parking.

Lake and Lathrop Partnership is planning on providing 87 parking spaces, however, 1 space will be used for a turning space for the dead end of the ground floor, reducing the total to 86 parking spaces which is slightly less the zoning requirements. However, this is mitigated with visitor parking on the ground floor area as well there approximately 8 parking spaces on the south side of Lake Street

10-14-8: OFF STREET PARKING:

The off-street parking regulations shall be the same as those of the C1 district, except that service retail establishments, located in an area bounded by Lathrop Avenue, Lake Street, Park Avenue and a line one-half block south of and parallel to Lake Street, shall not be required to provide any off street parking. (Ord. 2640, 5-23-1995)

The anticipated use and tenancy is expected to be service retail establishments which does not require off-street parking. However, the Project is dedicating approximately 31 parking spaces for commercial use on the ground level. Thus, providing the residential unit 56 parking spaces which is approximately 1.75 per unit.

In addition, if in the event, the tenancy changes the project will have approximately 31 parking spaces dedicated for commercial uses.



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Building Height

Per the zoning code:

10-14-6: HEIGHT REGULATIONS:

In the C3 district, no building shall be erected or structurally altered to exceed fifty feet. (Ord. 2640, 5-23-1995)

The public/private partnership or Lake Lathrop Partners LLC overall design is to fit within the aesthetics and complement the surrounding uses. Lake Lathrop Partners LLC will be requesting a building height variance from 50 feet to 80 feet due to the following:

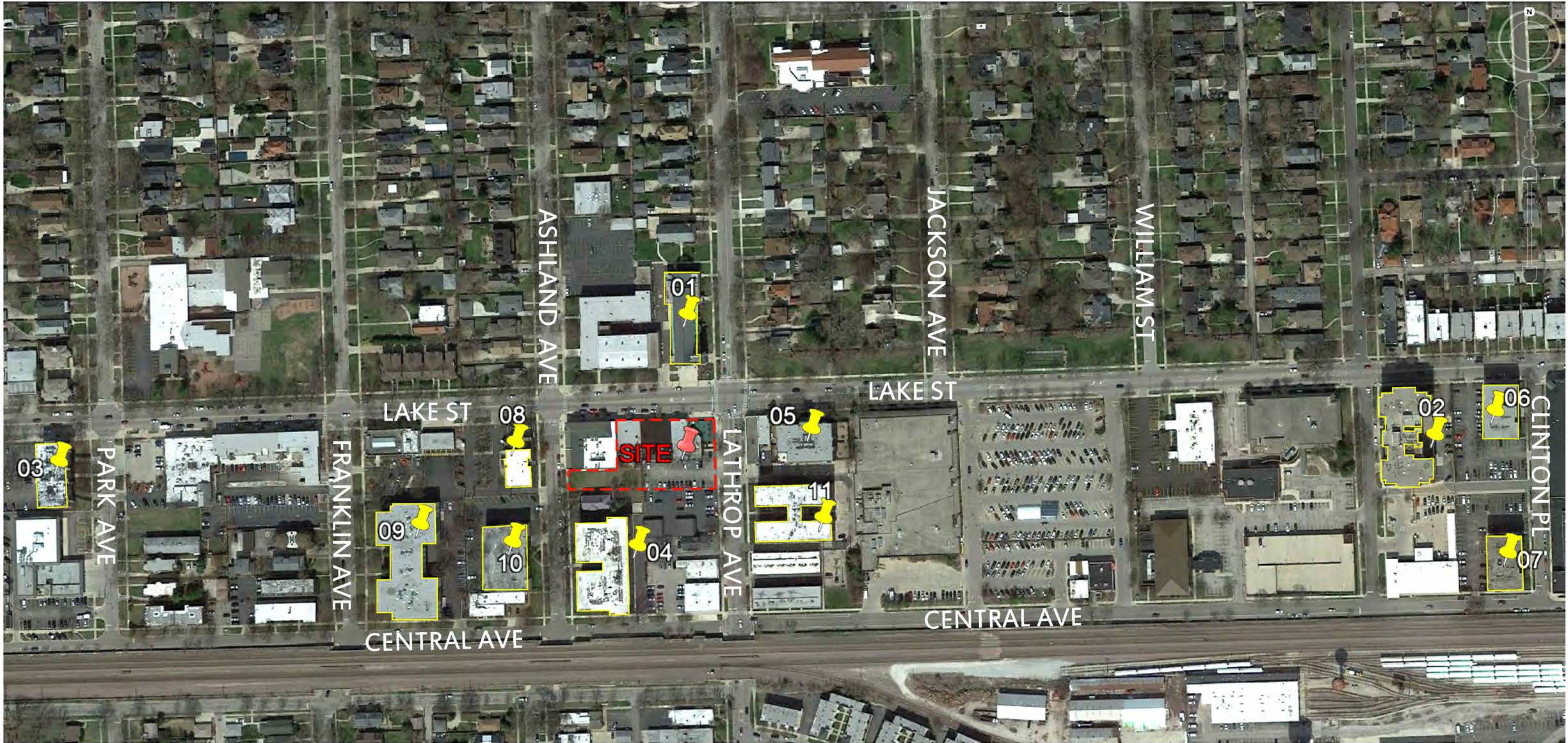
1. **Upscale Buyer demand of higher clear height 10 ft. within units** – buyers while downsizing do not want to compromise on the interior quality and finish. The demographic profile of the purchaser is a single or empty nester couple who have deep connections to the River Forest area.
2. **Higher upscale buyer will add to the tax base of the area.**
3. **Aesthetics** – the added height provides character, prominence and enhancement to the
4. **Neighborhood** – approximately ten (10) building in the area have heights exceeding the existing zoning restriction. (Please see attached location map and pictures)

#	Location	# of story	Bldg Height Ft.	Yr Built	
S	Lake & Lathrop (subject site)	5 story	+/- 80		
01	Lake St and Lathrop (church)	12 story	+/- 120 to 140	1937	
02	William Place (435 Williams St	8 story	+/- 70 to 75	2001	
03	424 Park	6 story	+/- 65 to 70	1972	
04	407 Ashland Ave.	6 story	+/- 65 to 70	1971	
05	Centennial House (7575 Lake S	6 story	+/- 65 to 70	1937	
06	434 Clinton Place	6 story	+/- 65 to 70	1971	
07	414 Clinton Place	6 story	+/- 55 to 60	1972	
08	444 Ashland Ave	5 story	+/- 55 to 60	2003	
09	407 Franklin Ave.	5 story	+/- 55 to 60	1968	
10	410 Ashland	5 story	+/- 55 to 60	1973	

See following height analysis:



.....MQ' UVQP GXGP VWTGU'





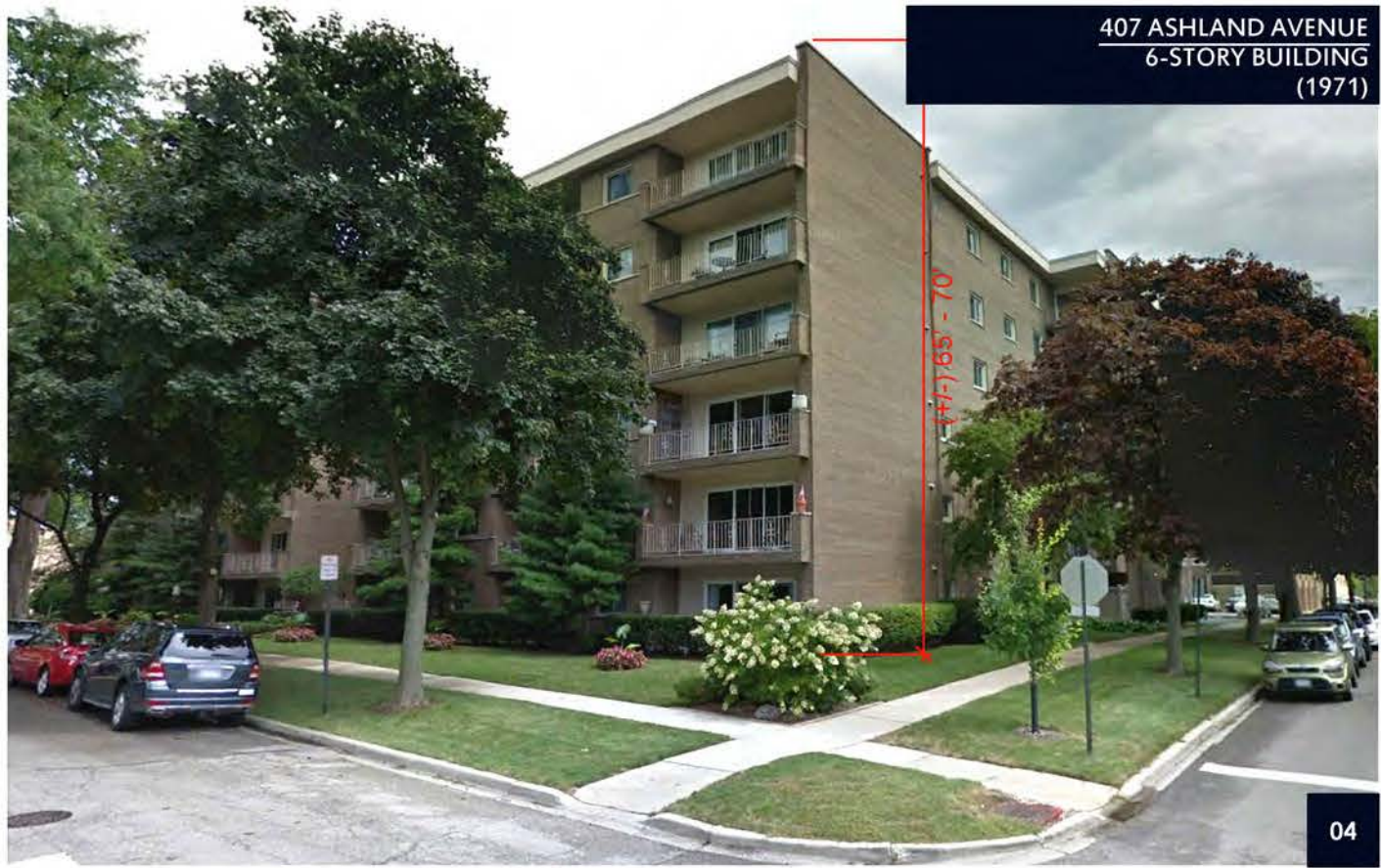
SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

BUILDING HEIGHT STUDY

LAKE STREET & LATHROP AVENUE
RIVER FOREST ILLINOIS

02



407 ASHLAND AVENUE
6-STORY BUILDING
(1971)

04



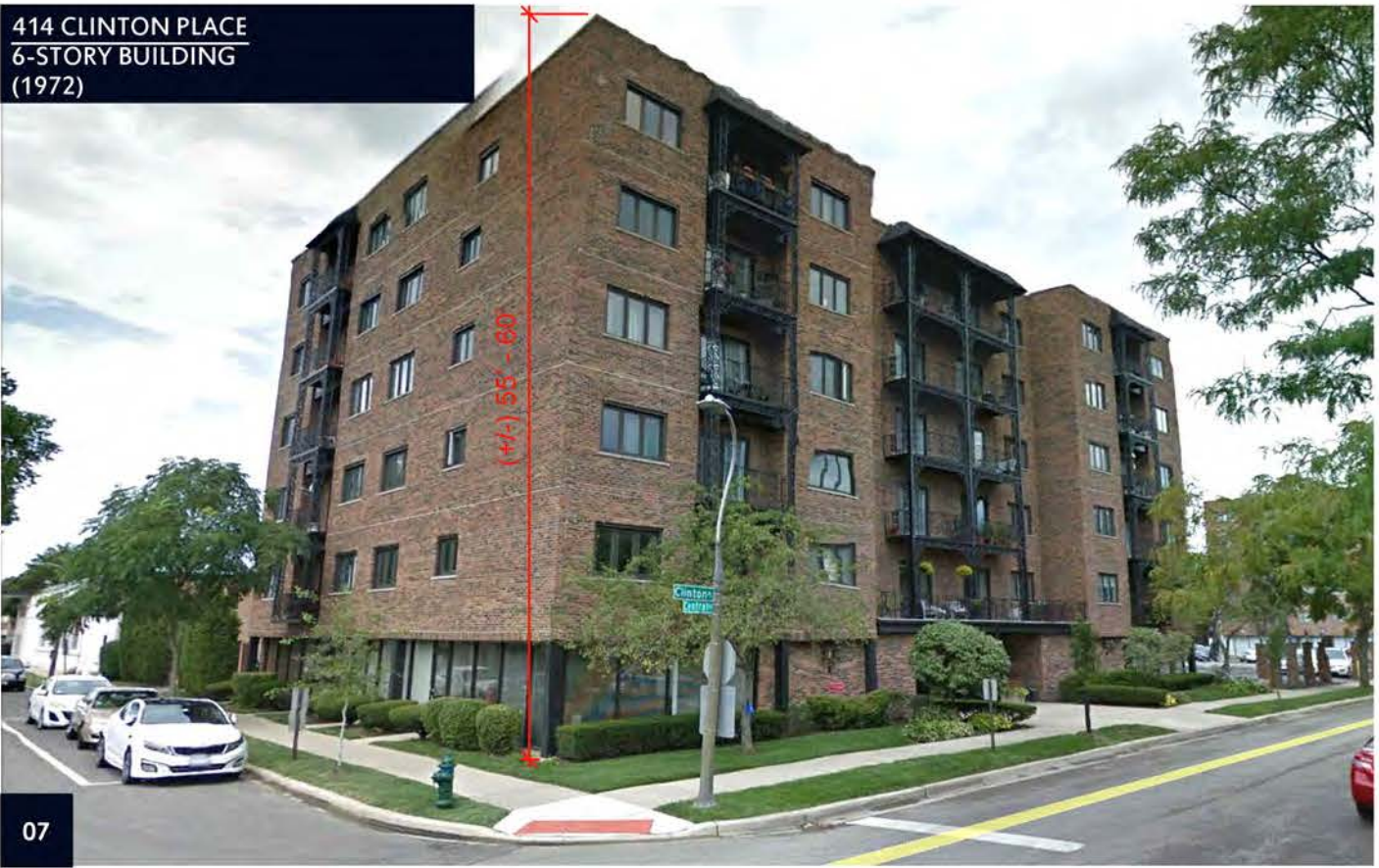
CENTENNIAL HOUSE : 7575 LAKE ST
6-STORY BUILDING
(1937)

05



434 CLINTON PLACE
6-STORY BUILDING
(1971)

06



414 CLINTON PLACE
6-STORY BUILDING
(1972)

07



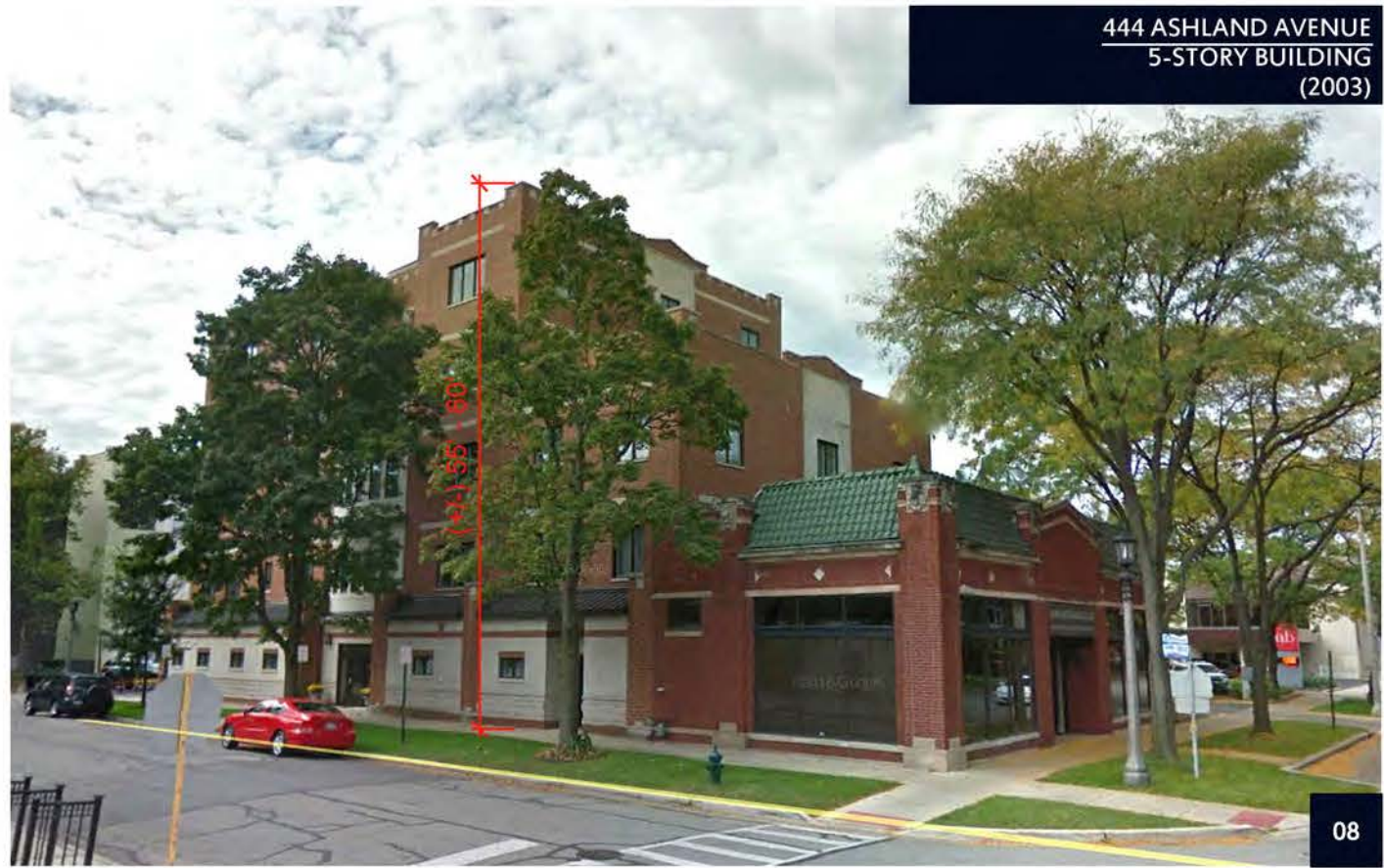
SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

BUILDING HEIGHT STUDY

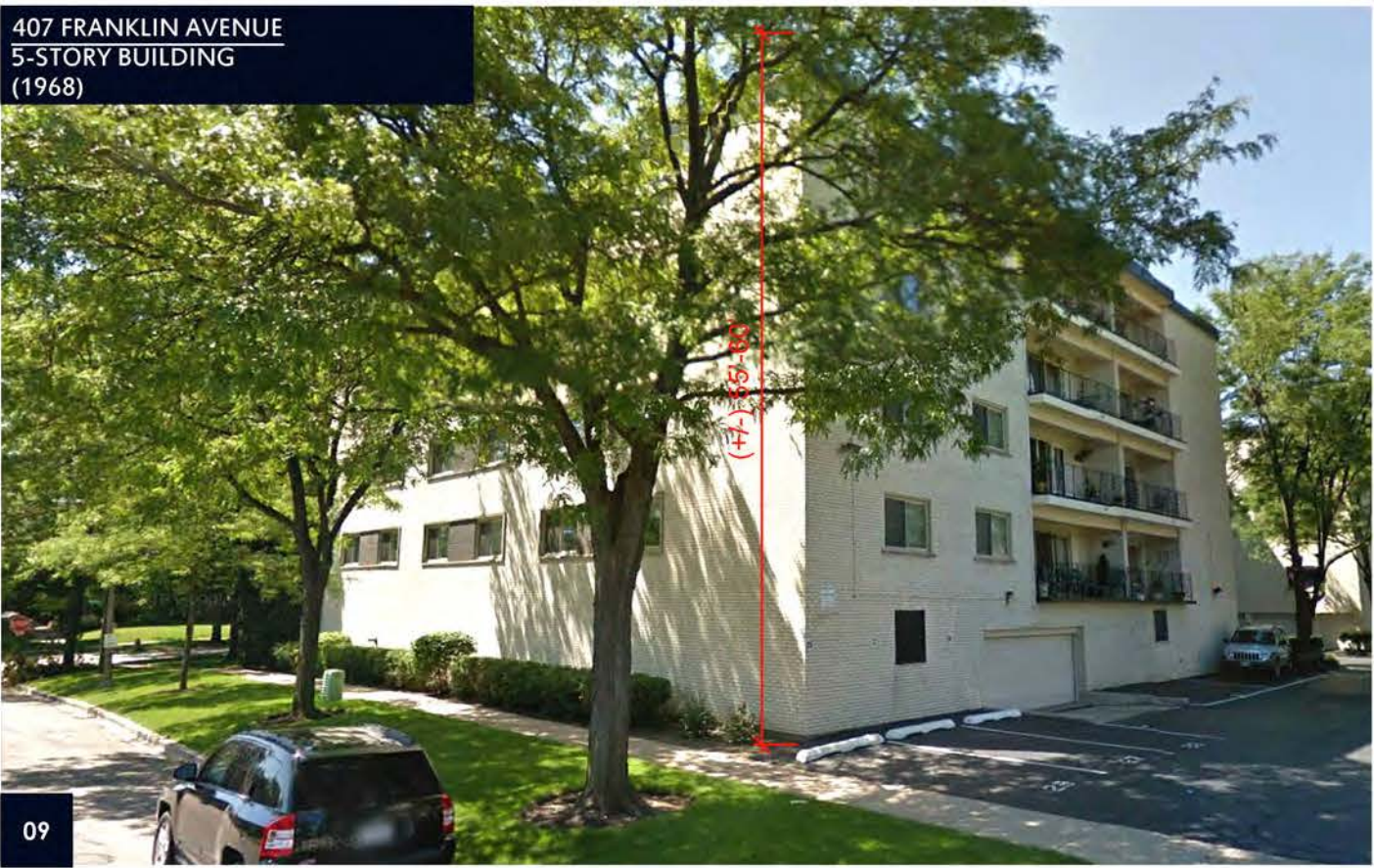
LAKE STREET & LATHROP AVENUE
RIVER FOREST ILLINOIS

03



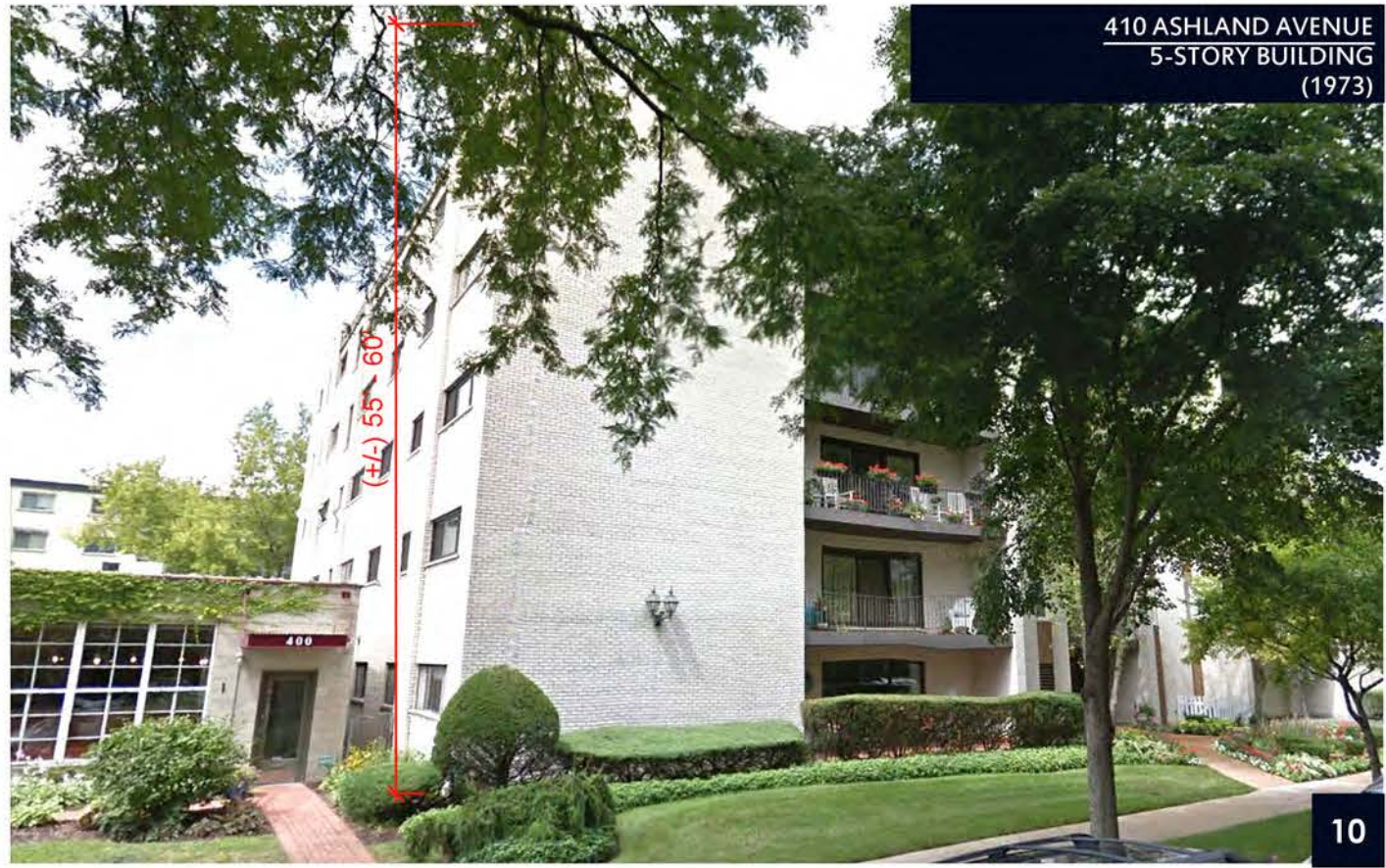
444 ASHLAND AVENUE
5-STORY BUILDING
(2003)

08



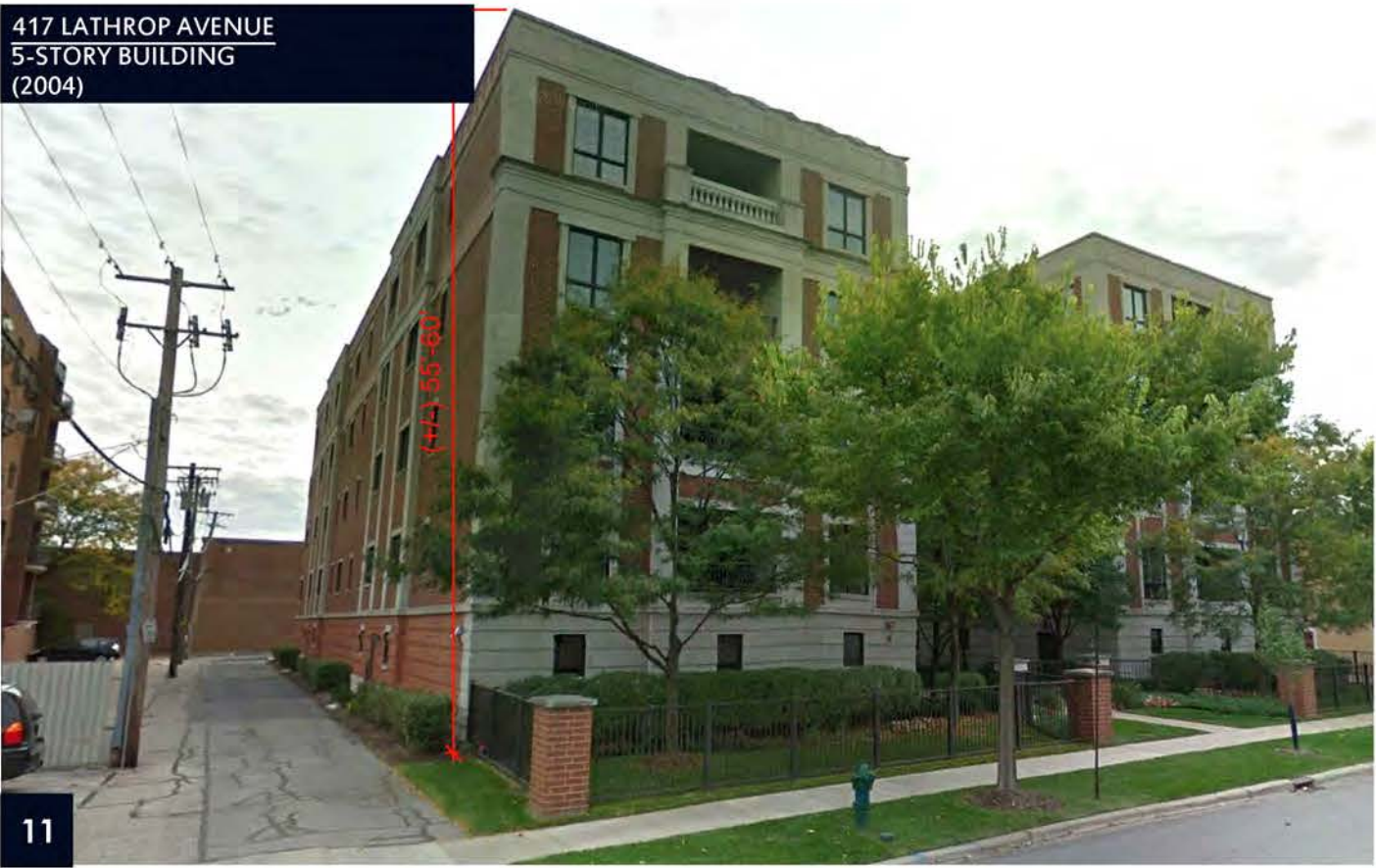
407 FRANKLIN AVENUE
5-STORY BUILDING
(1968)

09



410 ASHLAND AVENUE
5-STORY BUILDING
(1973)

10



417 LATHROP AVENUE
5-STORY BUILDING
(2004)

11



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BUILDING HEIGHT STUDY

LAKE STREET & LATHROP AVENUE
RIVER FOREST ILLINOIS

04

TRAFFIC STUDY

KLOA has been retained to perform a traffic study. The report is expected in the next few weeks.



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Vtchhke "Kō r cev"Uwaf { "
 Rtqr qugf "O k z gf /Wug'F gxgnqr o gpv"
 Tkxgt "Hqt guv."Krkpqkū"



Rtgr ctgf "Hqt<"

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Rtgr ctgf "D{<"

KLOA

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

Lwpg"3."423: "

1. Introduction

Vj ku" tgr qtv" uwo o ctk gu" yj g" o gyj qf qm q ku." tguwmu." cpf " hpf kpi u" qh" c" vchle" ko r cev" uwf { " eqpf wevgf "d { "Mgpli . "Nkpf i tgp. "QøJ etc. "Cdqqpc. "Kpe0*MNQC. "Kpe0:hqt" yj g" r tqr qugf "o kz gf /wug" f gxgnr o gpv"q"dg"hecvgf "kp" yj g"uqwj y guv's wcf tcpv'qh' yj g'kpvtugev'kp'qh'Ncng'Utggy' kj 'Ncvj tqr " Cxgpwg"kp"Tkxgt"Hqt guv."KrkpkuoCu"r tqr qugf . " yj g"ukg"y j kej "ewtgpv" "eqpvckpu"ppg"uqf { "tgcki" dwkf kpi u. "y knidg'tgf gxgnr gf "y kj "cr r tqzko cvgn { "38.432"us wctg/hggv'qh'i tqwpf "hmqf'tgckn'ur ceg. " cr r tqzko cvgn { "54"eqpf qo kpkwo "wpku"cpf "c"r ctnkpi "i ctc i g"y kj ": 8"r ctnkpi "ur cegu0Ceegu"v" yj g" r ctnkpi "i ctc i g"y knidg'r tqxkf gf "xk" hwnlo qxgo gpv'ceegu"ftkxgu'qhi'Ncvj tqr "Cxgpwg"cpf "Cuj rcpf " Cxgpwg0""

Vj g'r wtr qug'qh'y ku'uwf { "y cu'v"gzco kpg'dceni tqwpf "vchle"eqpf kkpku."cuugu" yj g'ko r cev' yj cv' yj g" r tqr qugf "f gxgnr o gpv' y kn'j cxg"qp"vchle"eqpf kkpku"kp" yj g"ctgc. "f gvgto kpg'kh'cp { "tqcf y c { "qt" ceegu" ko r tqxgo gpv" ctg" pgeguuct { " vq" ceeqo o qf cvg" vchle" i gpgtcvgf " d { " yj g" r tqr qugf " f gxgnr o gpv'cpf "gxcnwcvg" yj g'cf gs wce { "qh' yj g' r tqr qugf "r ctnkpi "uwr r n { 0"

Figure 1"uj qy u" yj g"mccv'kp"qh' yj g"ukg"kp"tgrv'kp"vq" yj g"ctgc"tqcf y c { "u { ugo 0**Figure 2**"uj qy u" cp"cgtkn'xkgy "qh' yj g"ukg"ctgc0"

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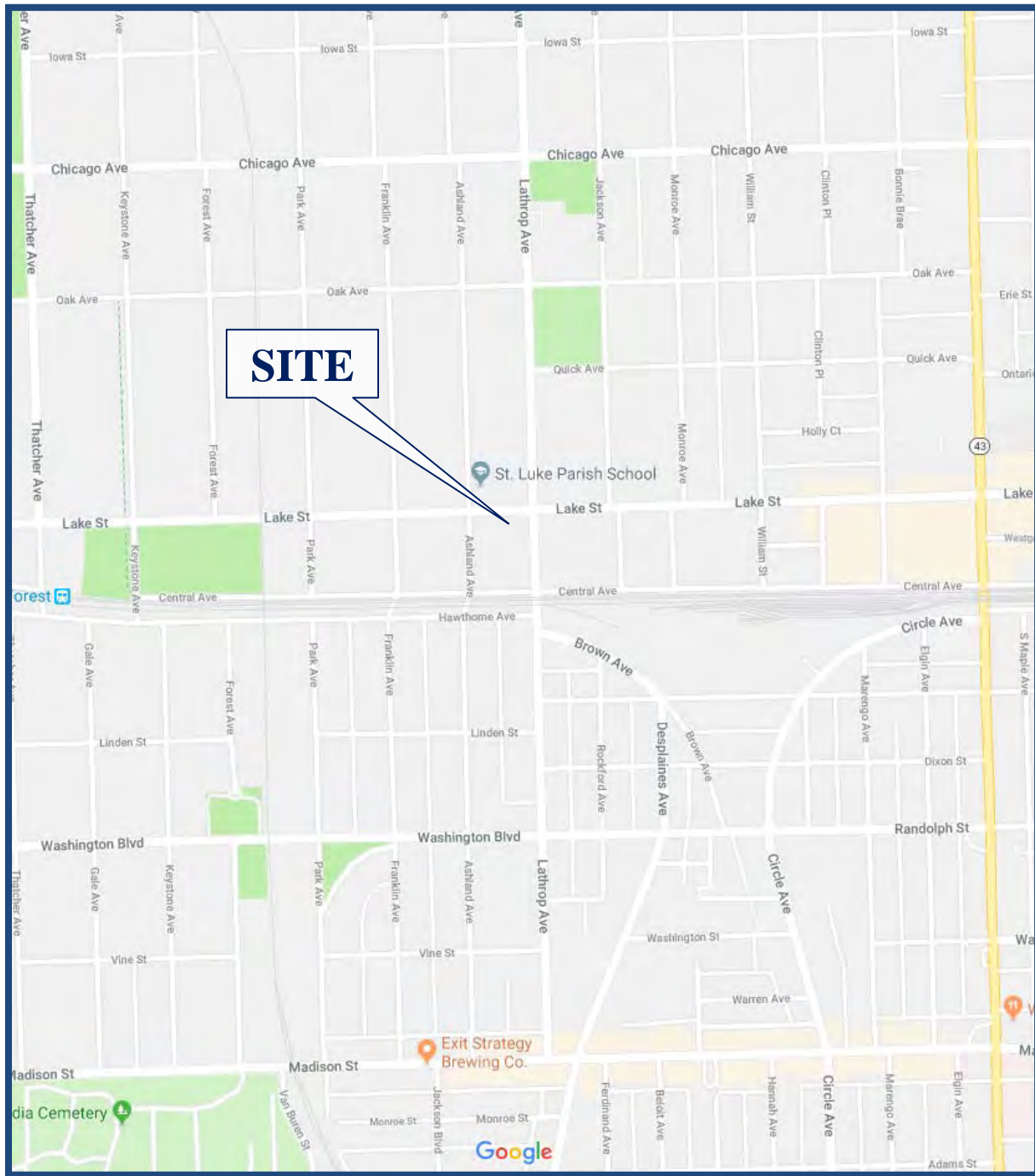
- Gzkupki "tqcf y c { "eqpf kkpku"
- C" f guetkr v'kp"qh' yj g' r tqr qugf "f gxgnr o gpv"
- F k'gevkpcn'f kntkdw'kp"qh' yj g'f gxgnr o gpv"vchle"
- Xgj kerg"vtr "i gpgtcv'kp" hqt" yj g'f gxgnr o gpv"
- Hwwt g"vchle"eqpf kkpku"kp'p'kf kpi "ceegu"v" yj g'f gxgnr o gpv"
- Vchle"cpn { ugu'hqt" yj g'y ggnf c { "o qtpkpi "cpf "y ggnf c { "gxgpkpi "r gcmj qwtu"
- Tgeqo o gpv'cv'kp" yj kj "tgr gev'v"cf gs wce { "qh' yj g'ukg"ceegu"cpf "cf lcegpvtqcf y c { "u { ugo "
- Gxcnwc'kp"qh' yj g' r tqr qugf "r ctnkpi "uwr r n { "

Vchle"ecr cek { "cpn { ugu"y gtg"eqpf wevgf "hqt" yj g'y ggnf c { "o qtpkpi "cpf "y ggnf c { "gxgpkpi "r gcmj j qwtu'hqt" yj g'hqmy kpi "eqpf kkpku"<"

30 Gzkupki "Eqpf kkpku"/"Cpn { | gu" yj g'ecr cek { "qh' yj g'gzkupki "tqcf y c { "u { ugo "wukpi "gzkupki " r gcmj qwt "vchle"xqnwo gu'kp" yj g'uwttqwpf kpi "ctgc0"

40 Hwwt g'Eqpf kkpku"/"Vj g'hwwt g'r tqlgvgf "vchle"xqnwo gu'kp'p'kf g' yj g'gzkupki "vchle"xqnwo gu" k'p'etgcugf "d { "cp"co dl'gpv"ctgc"i tqy yj "hcevt" *i tqy yj "pqv"cwtkdwcdng"vq"cp { "r ct'kewrt" f gxgnr o gpv" cpf " yj g" vchle" guko cvgf " vq" dg" i gpgtcvgf " d { " yj g" r tqr qugf " uwdl'gev" f gxgnr o gpv0""

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"
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Site Location

Figure 1



Aerial View of Site Location

Figure 2

2. Existing Conditions

Gzknkpi "tqcf y c { "U{ ugo "Ej ctcevgtknku" "qh' y g' uksg" y gtg' f qewo gpygf "dcugf" qp' hgrf " xkuku" eqpf wevgf "d { "MNQC. "Kpe0'kp" qtf gt "vq" qdvcp "c" f cvdcug "hqt" r tqgvevpi "hwwtg" eqpf kkkpu0' Vj g' hqmy kpi " r tqxf gu" c" f guetkr vkp" qh' y g' i gqi tcr j kecn' nqecvkp" qh' y g' uksg. " r j { ukecn' ej ctcevgtknku" qh' y g' ctgc "tqcf y c { "u{ ugo "kpenmf kpi "ncpg" wuci g" cpf "tchhke" eqpvtqn' f gxlegu" cpf " gzknkpi "r gcnlj qwt "tchhke" xqno gu0'

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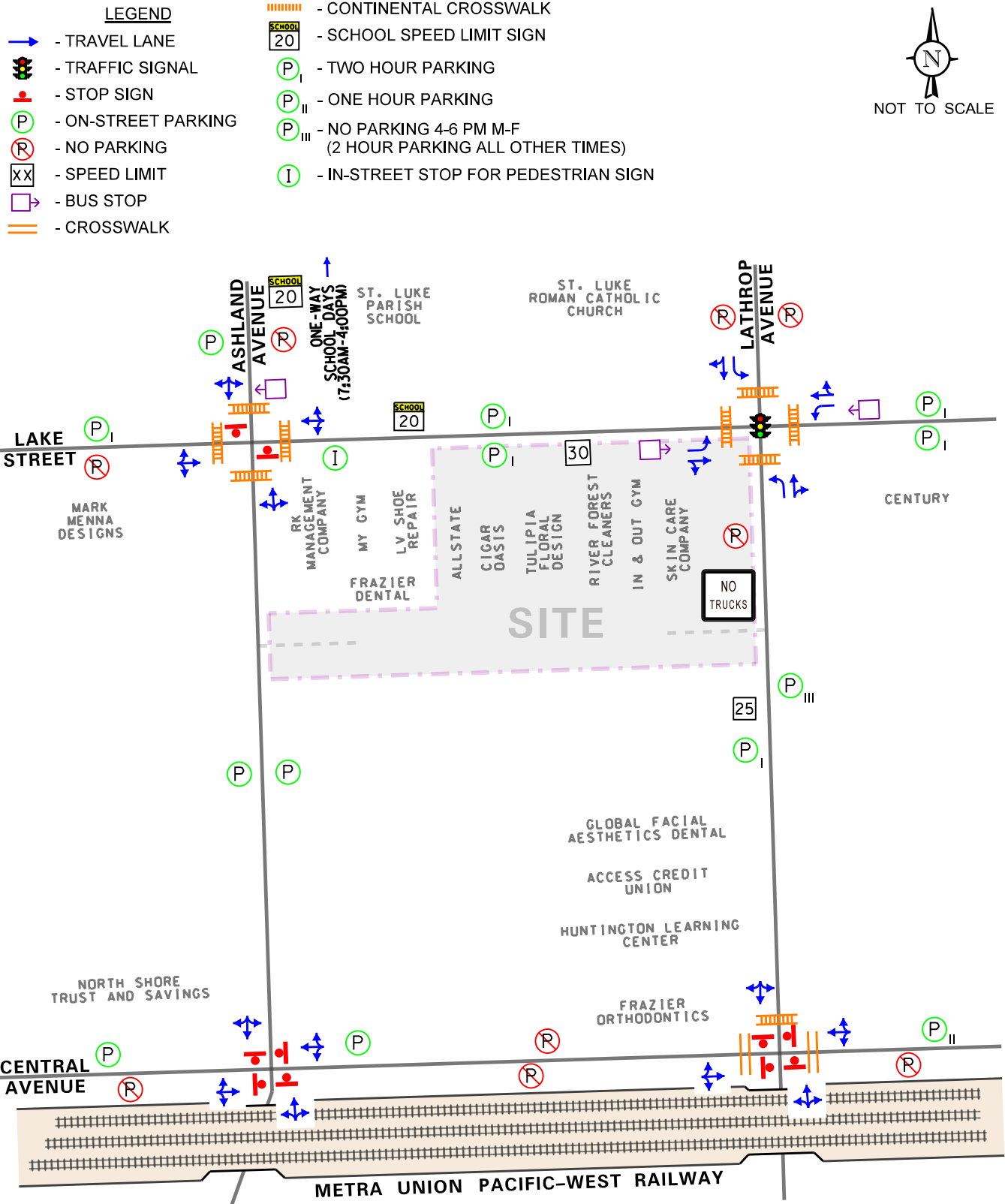
Vj g' uksg. "y j ke j 'ku' ewtgpwn' "qeewr kgf "d { "Cmucvg. "Eki ct "Qcuku. "Vwkr lc" Hqtcrn' F guki p. "Tkxgt" Hqtguv' Engcpgtu. "Kp" cpf "Qw" I { o "cpf "Unkp" Ectg "Ego r cp { . "ku' nqecvgf "kp" y g' uqwj y guv' s wcf tcvp' qh' y g' kpgtugevkp" qh' Ncng "Utggy' y kj "Ncy tqr "Cxgpwg" Ncpf "wugu" kp' y g' xlelpx { "qh' y g' uksg" ctg' r tko ctkn { " c" o kz "qh' tgukf gpkcn' dwkf kpi u" cpf "eqo o gtekn' gucdkuj o gpw' kp' cni' f kgevkpu" cpf "kpenmf gu" y g' hqmy kpi "TM" O cpci go gpv' Ego r cp { . "Hic l kgt "F gpcn "O { "I { o "cpf "NX" Uj qg "Tgr ck" cpf "O ctni' O gppc" F guki p "vq" y g' y guv. "U0' Nwng" Rctkuj "Uej qqn' cpf "U0' Nwng" Tqo cp "Ecy qnke" Ej wtej "vq" y g' pqtj . "Y guv' Uwdwdcp" O gf kecn' Egpvt "cpf "Egpwt { "vq" y g' gcu' cpf "I mdcn' Heckn' Cguj g' kcu' F gpcn " Ceegu' Etgf k' Wpkp. "J wvki vq "Ngctpkpi "Egpvt" cpf "Hic l kgt "Qtj qf qp' kcu' vq" y g' uqwj 0' ""

Gzknkpi "Tqcf y c { "U{ ugo "Ej ctcevgtknku"

Vj g' ej ctcevgtknku" qh' y g' gzknkpi "tqcf y c { u' pgct "y g' f gxgmr o gpv' ctg' f guetkdgf "dgmy 0' **Figure 3** kmwntcvgu' y g' gzknkpi "tqcf y c { "ej ctcevgtknku0' "

Lake Street ku' cp' gcu' y guv' ctvgtknktqcf y c { "y cvlp' y g' xlelpx { "qh' y g' uksg" r tqxf gu' qpg' ncpg' kp' gcej " f kgevkp0' C' vku' uki pcrk' gf "kpgtugevkp" y kj "Ncy tqr "Cxgpwg. "Ncng" Utggv' r tqxf gu' cp' "gz enwukg" ngn' wtp' ncpg' cpf "c' u' j ctgf "y tqwi j ltki j v' wtp' ncpg' qp' dqj "cr r tqcej gu0' Dqj "hgi u' qh' y g' kpgtugevkp" r tqxf g' j ki j "xkukdkk { "etquuy cmu' y kj "r gf gu' tcpu' eqwpv' qy p' vko gtu0' Tki j v' wtpu' qp' t gf "cv' y ku' kpgtugevkp" ctg' pqv' r gto kwgf "y j gp' r gf gu' tcpu' ctg' r tgu' gv' 0' C' vku' wpu' pcrk' gf "kpgtugevkp" y kj " Cuj rcpf "Cxgpwg. "Ncng" Utggv' r tqxf gu' c' u' j ctgf "ngm' y tqwi j ltki j v' wtp' ncpg' cpf "j ki j "xkukdkk { " etquuy cmu' qp' dqj "cr r tqcej gu0' Rctn' kpi "ku' i gpgtcm' r gto kwgf "qp' dqj "ukf gu' qh' y g' tqcf y c { "cpf " ku' rko kgf "vq" y q' j qwtu0' Ncng" Utggv' ku' wpf gt "y g' lwtkuf levkp" qh' y g' "Krkpku" F gr ctvo gpv' qh' Vtcur qtvcvkp" *KF QV+. "ectlgu" cp' cppwcn' cxgtci g' f ckn { "tchhke" *CCF V+ "xqno g' qh' . 222" xgj kengu' *KF QV" CCF V+ 4236+ "cpf "j cu' c' r qugf "ur ggf "rko k' qh' 52" o kgu' r gt "j qwt' y kj "c' uej qqn' qp' g' ur ggf " rko k' qh' 42" o kgu' r gt "j qwt0' "

Ashland Avenue ku' c' pqtj / uqwj "nqecntqcf y c { "y cvlp' y g' xlelpx { "qh' y g' uksg" r tqxf gu' qpg' y tqwi j " ncpg' kp' gcej "f kgevkp0' C' vku' wpu' pcrk' gf "kpgtugevkp" y kj "Ncng" Utggv. "Cuj rcpf "Cxgpwg" r tqxf gu' c' u' j ctgf "ngm' y tqwi j ltki j v' wtp' ncpg' wpf gt "uqr / uki p' eqpvtqn' cpf "c' j ki j "xkukdkk { "etquuy cmk' qp' dqj " cr r tqcej gu0' C' vku' cm' y c { "uqr "uki p' eqpvtqngf "kpgtugevkp" y kj "Egpvtcn' Cxgpwg. "Cuj rcpf "Cxgpwg" r tqxf gu' c' u' j ctgf "ngm' y tqwi j ltki j v' wtp' ncpg' qp' dqj "cr r tqcej gu0' P qtv "qh' Ncng" Utggv. "Cuj rcpf " Cxgpwg" ku' tgu' levgf "vq" qpg' y c { "pqtj dqwpf "tchhke" dgw ggp' 9-52" C00 0' cpf "6-22" R00 0' qp' uej qqn' f c { u' cpf "j cu' c' uej qqn' qp' g' ur ggf "rko k' qh' 42" o kgu' r gt "j qwt0' Rctn' kpi "ku' i gpgtcm' r gto kwgf "qp' dqj " ukf gu' qh' y g' tqcf y c { 0' Cuj rcpf "Cxgpwg" ku' wpf gt "y g' lwtkuf levkp" qh' y g' "Xknci g' qh' Tkxgt" Hqtgu0' "



Mixed-Use
Development
River Forest, Illinois

Existing Roadway Characteristics

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.
Job No: 18-003 Figure: 3

Lathrop Avenue ku" c" pqtvj /uqwj "eqmgevqt" tqcf y c{ "vj cv"lp"vj g" xlelpx{ "qh"vj g" uksg" r tqxkf gu" qpg" vj tqwi j "ncpg"lp" gcej "f k gevqkp0Cv"ku"uki pcrk gf "lpvtugevqp"y kj "Ncng"Utggv" Ncvj tqr "Cxgpwg" r tqxkf gu"cp"gzenukxg"ngh/wtp"ncpg"cpf "c"uj ctgf "vj tqwi j ltki j v wtp"ncpg"qp"dqvj "cr r tqcej gu0Dqvj "ngi u"qh"vj g"lpvtugevqp" r tqxkf g"j ki j "xkukdkkx{ "etquuy cmi"cpf "r gf gultcp"eqwvfy p"vko gu0Tki j v wtpu"qp"tgf "ctg"pqvr gto kwgf "cv"cm"vko gu"qp"dqvj "cr r tqcej gu0Cv"ku"cm/y c{ "uqr"uki p"eqpvtqmgf "lpvtugevqp"y kj "Egptcn"Cxgpwg. "Ncvj tqr "Cxgpwg" r tqxkf gu" c"uj ctgf "ngh"vj tqwi j ltki j v wtp"ncpg" qp"dqvj "cr r tqcej gu0Vj g"pqtvj "ngi "qh"vj g"lpvtugevqp" r tqxkf gu" c"j ki j "xkukdkkx{ "etquuy cmi"cpf "ku" y kf g"gpqwi j "vq"qr gtcvg"cu" c"uj ctgf "ngh/wtp"lj tqwi j "ncpg"cpf "c"uj ctgf "vj tqwi j ltki j v wtp"ncpg0Dgy ggp" Ncng"Utggv"cpf "Egptcn"Cxgpwg. "r ctnkpi "ku" r gto kwgf "qp"vj g"y guv"ukf g"qh"vj g"tqcf y c{ "vj cv"ku"rko kgf "vq"vy q/j qwtu0Qp"vj g"guv"ukf g"qh"vj g"tqcf y c{. "r ctnkpi "ku" r tqj kdkgf "dgy ggp"6-22" cpf "8-22"R00 0"O qpf c{ "vj tqwi j "Hkf c{ "cpf "ku"rko kgf "vq"vy q"j qwtu"cv"cm"qvj gt"vko gu0Ncvj tqr "Cxgpwg"ku"wpf gt"vj g"lwkuf levqp"qh"vj g"Xkrci g"qh"Tkxgt"Hqtguv"ecttgu"cpf "CCF V"xqno g"qh"5.772" xgj kengu"cpf "j cu" c"r quvgf "ur ggf "rko k/qh"47"o kgu"r gt"j qwt0"

Central Avenue ku"cp" guv/y guv"mecn"tqcf y c{ "vj cv"lp"vj g" xlelpx{ "qh"vj g" uksg" r tqxkf gu" qpg"vj tqwi j "ncpg"lp" gcej "f k gevqkp0Cv"ku"cm/y c{ "uqr"uki p"eqpvtqmgf "lpvtugevqp"y kj "Ncvj tqr "Cxgpwg"cpf "Cuj rcpf "Cxgpwg. "Egptcn" Cxgpwg" r tqxkf gu" c"uj ctgf "ngh"vj tqwi j ltki j v wtp"ncpg" qp"dqvj "cr r tqcej gu0Vj g"guv"cpf "y guv"ngi u"qh"vj g"lpvtugevqp"qh"Egptcn"Cxgpwg"y kj "Ncvj tqr "Cxgpwg" r tqxkf g"ucpf ctf "etquuy cmi0Rctnkpi "ku" r tqj kdkgf "qp"vj g"uqwj "ukf g"qh"vj g"tqcf y c{ "cpf "qp"vj g" pqtvj "ukf g"qh"vj g"tqcf y c{ "dgy ggp" Ncvj tqr "Cxgpwg"cpf "Cuj rcpf "Cxgpwg0Gcu"qh" Ncvj tqr "Cxgpwg. "r ctnkpi "ku" r gto kwgf "qp"vj g"pqtvj "ukf g"qh"vj g"tqcf y c{ "cpf "ku"rko kgf "vq"qpg/j qwt0Y guv"qh" Cuj rcpf "Cxgpwg. "r ctnkpi "ku" r gto kwgf "qp"vj g"pqtvj "ukf g"qh"vj g"tqcf y c{ 0Egptcn" Cxgpwg"ku"wpf gt"vj g" lwkuf levqp"qh"vj g"Xkrci g"qh"Tkxgt"Hqtgu0"

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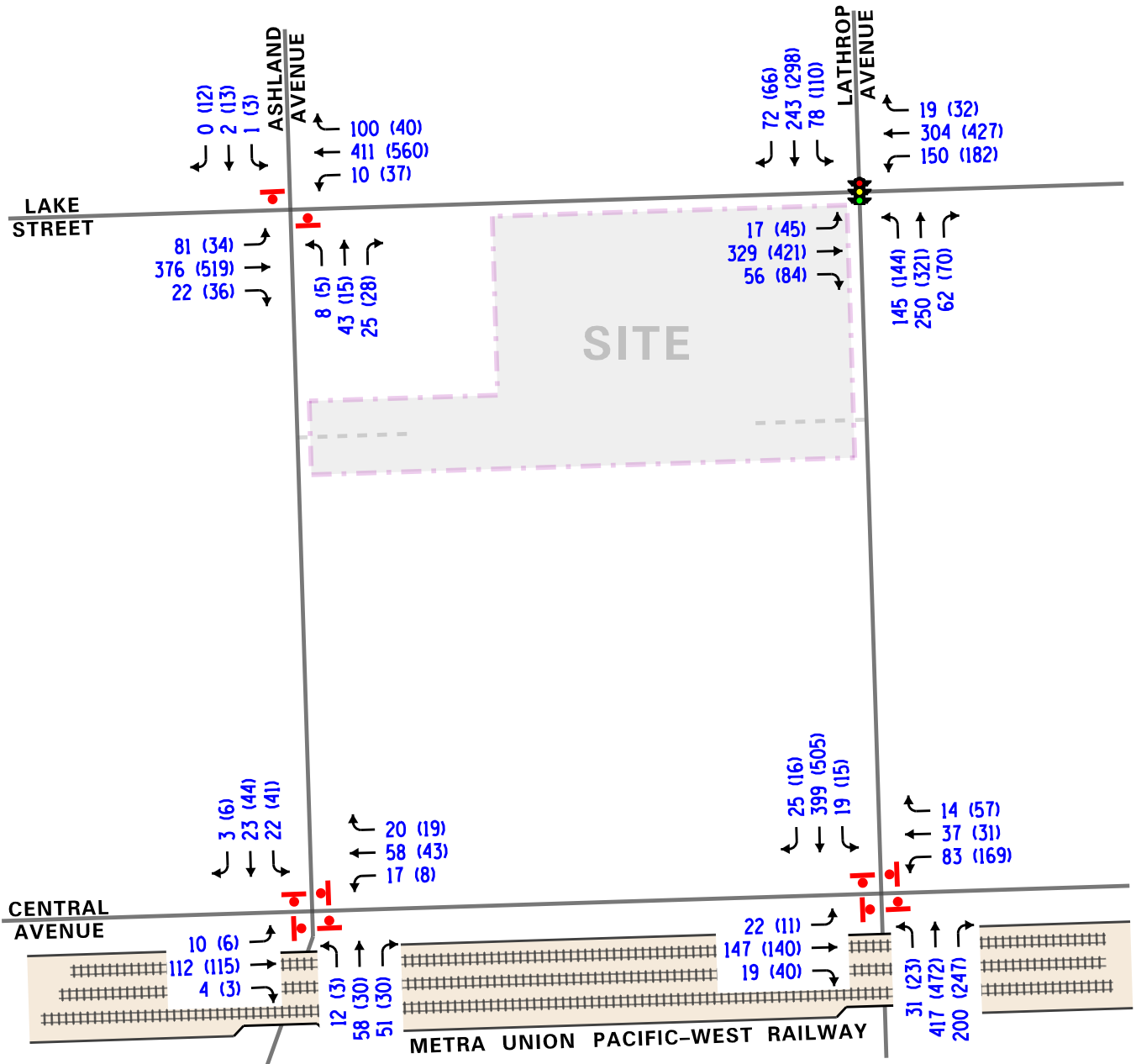
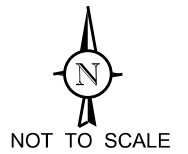
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- Ncng"Utggv"y kj "Ncvj tqr "Cxgpwg"
- Ncng"Utggv"y kj "Cuj rcpf "Cxgpwg"
- Egptcn"Cxgpwg"y kj "Ncvj tqr "Cxgpwg"
- Egptcn"Cxgpwg"y kj "Cuj rcpf "Cxgpwg"

Vj g"4-52" R00 0"vq"8-22" R00 0"gxgpkpi "r gcmr gtlkf "y cu"ej qugp"vq"gpwt g"vj cv"lpenf g"vj g"vtchle" i gpgtcvgf "d{ "vj g"chngtpqqp" f kuo kucl"vko gu"qh"U0Nwng"Rctkuj "Uej qqn" Nkpeqp"Grgo gpvt { "Uej qqn" cpf "Tqqugxgn"O kf f ng"Uej qqn"y cu"lpenf gf 0Vj g"tguv"u"qh"vj g"vtchle"eqwpu"uj qy gf "vj cv"vj g" y ggnf c{ "o qtpkpi "r gcmr gtlkf "vtchle" qeewtu"htqo "9-52" C00 0"vq": <52" C00 0"cpf "vj g"y ggnf c{ " gxgpkpi "r gcmr gtlkf "vtchle" qeewtu"htqo "5-52" R00 0"vq"6-52" R00 0"K"uj qwf "dg"pqvgf "vj cv"vj g" y ggnf c{ "gxgpkpi "r gcmr gtlkf "ku"lphwpegf "d{ "vj g" r tqzko k{ "qh"U0Nwng"Rctkuj "Uej qqn" Nkpeqp" Grgo gpvt { "Uej qqn"cpf "Tqqugxgn"O kf f ng"Uej qqn"cpf "qeewtu"gttktg"vj cp" c"v{ r lecl"eqo o wgt"r gcmr j qwt" dgy ggp"6-22" cpf "8-22" R00 0"Figure 4 kmwutcvu"vj g"gzku"pi "r gcmr gtlkf "vtchle" xqno gu"cpf " **Figure 5**"kmwutcvu"vj g"gzku"pi "r gf gultcp"cpf "dle{ eng"r gcmr gtlkf "vtchle" xqno gu0Eqr kgu"qh"vj g" vtchle"eqwpu"uwo o ct { "uj ggu"ctg"lpenf gf "lp"vj g"Cr r gpf kz0"

LEGEND

- 00 - AM PEAK HOUR (7:30-8:30 AM)
- (00) - PM PEAK HOUR (3:30-4:30 PM)

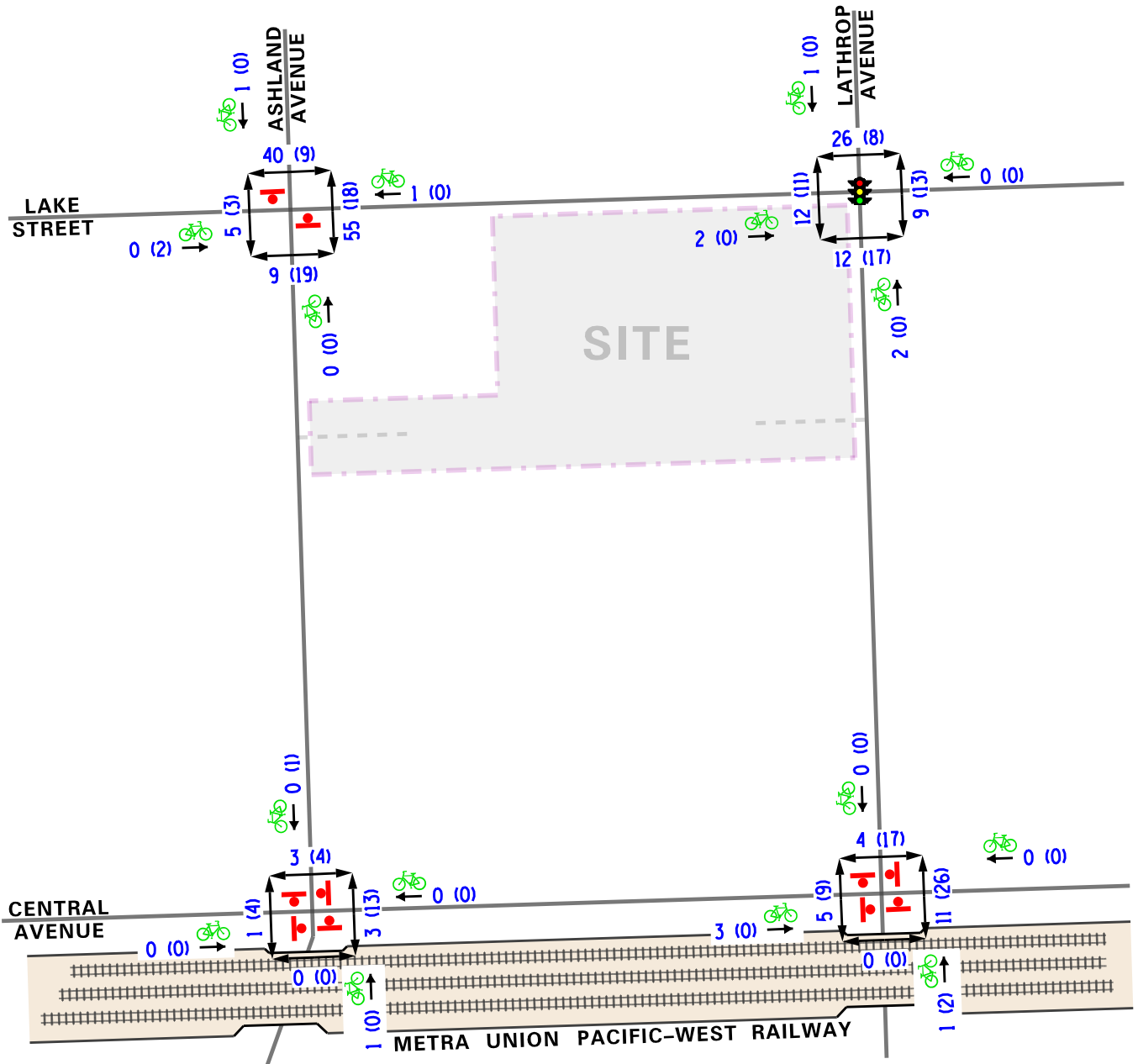
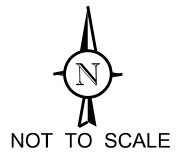


Mixed-Use
Development
River Forest, Illinois

Existing Traffic Volumes

LEGEND

- 00 - AM PEAK HOUR (7:30-8:30 AM)
- (00) - PM PEAK HOUR (3:30-4:30 PM)



Mixed-Use
Development
River Forest, Illinois

Existing Pedestrian and Bicycle
Traffic Volumes

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.
Job No: 18-003 Figure: 5

Etcuj "Cpcn{uku"

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MNQC. "lpe0qdckpgf "etcuj "f cve"lqt"vj g'r cu'v'o quv'tgegpv'cxckrdng"lhxg" {getu"*4233"vq"4237+"lqt"vj g'uwwf { "ctgc"lpvtugevkpu'cpf "vj g'etcuj "f cve"lqt"vj g'lpvtugevkpu'qh'Ncng"Utggy'v kj "Ncvj tqr "Cxgpwg. 'Ncng"Utggy' y kj "Cuj rcpf "Cxgpwg"cpf "Ncvj tqr "Cxgpwg"y kj "Egptcn'Cxgpwg"ctg"uwo o ctk gf "lp"Tables 1 vj tqwi j "3." tguv gevkxgn{0'C'tgxkgy "qh'vj g'etcuj "f cve"lpf lecvgf "vj cv'vj g'lpvtugevkpu'qh'Cuj rcpf "Cxgpwg"y kj "Egptcn' Cxgpwg"gzr gtlgpegf "qpn{ "vy q"etcuj gu'dgy ggp"4233"cpf "4237"cpf "vj gug"vy q"etcuj gu'lpqxrkf "c'r ctngf " o qvqt"xgj keng0Cf fklqpcmf . "k'uj qvrf "dg"pqvgf "vj cv'qh'vj g'ulz"vqcn'öqvj gtö"etcuj gu'vj cv'qeewttgf "cv'vj g' lpvtugevkpu'qh'Egptcn'Cxgpwg"y kj "Ncvj tqr "Cxgpwg. 'lqwt "qh'vj gug"etcuj gu'lpqxrkf "gkj gt "c'r gf gvtkcp"qt" dle{ erkn0Hwtvj gto qtg. 'pq'hcvcnkku'tgr qtvgf "cv'cp{ "qh'vj g'uwwf { "ctgc"lpvtugevkpu'dgy ggp"4233"cpf "42370"

"

Vcdrg"3"

NCMG"UVTGGV"Y K/J "NCVJ TQR'CXGP WG"6"ETCUJ "UWO OCT["

Year	Type of Crash Frequency						Total
	Angle	Object	Rear End	Sideswipe	Turning	Other	
4233"	2"	2"	5"	2"	3"	2"	6"
4234"	4"	3"	3"	2"	2"	4"	8"
4235"	2"	2"	3"	2"	2"	2"	3"
4236"	2"	2"	5"	2"	4"	3"	8"
4237"	2"	2"	4"	3"	3"	2"	6"
Total	2	1	10	1	4	3	21
Average	< 1	< 1	2	< 1	< 1	< 1	4.2

"

Vcdrg"4"

NCMG"UVTGGV"Y K/J "CUJ NCPF "CXGP WG"6"ETCUJ "UWO OCT["

Year	Type of Crash Frequency						Total
	Angle	Object	Rear End	Sideswipe	Turning	Other	
4233"	3"	2"	2"	2"	2"	3"	4"
4234"	2"	2"	3"	2"	2"	2"	3"
4235"	2"	2"	5"	3"	2"	2"	6"
4236"	2"	3"	3"	2"	2"	2"	4"
4237"	3"	2"	3"	2"	2"	2"	4"
Total	2	1	6	1	0	1	11
Average	< 1	< 1	1.2	< 1	0	< 1	2.2

"

Vcdrg"5"

EGP VTCN'CXGP WG"Y K/J "NCVJ TQR'CXGP WG"6"ETCUJ "UWO OCT["

Year	Type of Crash Frequency						Total
	Angle	Object	Rear End	Sideswipe	Turning	Other	
4233"	4"	2"	2"	2"	2"	3"	5"
4234"	4"	2"	2"	2"	2"	4"	6"
4235"	3"	2"	3"	2"	3"	2"	5"
4236"	3"	4"	2"	2"	2"	3"	6"
4237"	3"	2"	3"	3"	2"	4"	7"
Total	7	2	2	1	1	6	19
Average	1.4	< 1	< 1	< 1	< 1	1.2	3.8

"

DISCLAIMER: The motor vehicle crash data referenced herein was provided by the Illinois Department of Transportation. The author is responsible for any data analyses and conclusions drawn."

U0Nwng'Rctkuj "Uej qqnl'Qr gtcvqpu"

"

Cu'r t g x l q w u n { " l p f l e c v g f . " y g " U 0 N w n g " R c t k u j " U e j q q n l ' k u " m e c v g f " l p " y g " p q t v j g c u v ' s w c f t c p v " q h " y g " l p v t u g e v k p p " q h " N c n g " U t g g v ' y k j " C u j r c p f " C x g p w g 0 V j g " u e j q q n l ' c { " u c t w ' c v " : < 3 2 " C 0 0 0 c p f " g p f u ' c v " 5 < 2 2 " R 0 0 Q p " u e j q q n l ' c { " u l t q o " 9 < 5 2 " C 0 0 0 v q " 6 < 2 2 " R 0 0 0 " C u j r c p f " C x g p w g " p q t v j " q h " N c n g " U t g g v ' k u " t g u t l e v g f " v q " p q g / y c { " p q t v j d q w p f " t c x g n l ' q p n l " v q " d g w g t " h c e k k c v g " f t q r / q h h ' c p f " r l e n / w r " c e v k x k k u " h q t " y j g " u e j q q n l " }

"

F w t k p i " y g " o q t p k p i " f t q r / q h h ' c e v k x k { " t c h h l e " e q p g u " c t g " r m e g f " q p " C u j r c p f " C x g p w g " e t g c v k p i " c " f t q r / q h h " m c f k p i " | " q p g " c p f " c " p q t v j d q w p f " d { r c u u " r c p g 0 " R c t g p w u " f t q r / q h h " u w f g p w u " e w t d u k f g " y k j l p " y g " m c f k p i " | " q p g " q t " y k j l p " y j g " r c t n k p i " m v " m e c v g f " q p " y j g " p q t v j " u k f g " q h " y j g " u e j q q n l " U e j q q n l ' h c e w n { l u c h h " c t g " c n u q " c x c k r d r g " v q " f k t g e v ' x g j l e n g u " y k j l p " y j g " m c f k p i " | " q p g " v q " g p u w t g " x g j l e n g u " f q " p q v ' s w g w g " q p v q " N c n g " U t g g v ' C f f k k q p c m { . " c " e t q u l k p i " i w c t f " k u " m e c v g f " c v " y j g " l p v t u g e v k p p " q h " N c n g " U t g g v ' y k j " C u j r c p f " C x g p w g " c p f " c p q v j g t " e t q u l k p i " i w c t f " k u " m e c v g f " c v " y j g " c e e g u u " f t k x g u " u g t x k p i " y j g " r c t n k p i " m v " c m p i " C u j r c p f " C x g p w g 0 " }

"

H l g n f " q d u g t x c v k p u " e q p f w e v g f " f w t k p i " y j g " y g g n f c { " o q t p k p i " r g c m j " q w t u " l p f l e c v g f " y c v " f t q r / q h h " c e v k x k { " d g i c p " c v " c r r t q z k o c v n l " 9 < 7 7 " C 0 0 0 c p f " f t q r " q h h " s w g w u " y g t g " q p " c x g t c i g " h x g " v q " g k i j v " x g j l e n g u " y j k e j " f k f " p q v " g z v g p f " v q " N c n g " U t g g v ' V j g " o c z k o w o " s w g w g " q d u g t x g f " y c u " 3 3 " x g j l e n g u " q e e w t t k p i " q p n l " q p e g " c p f " y j k k g " y j k u " s w g w g " f k f " g z v g p f " v q " N c n g " U t g g v . k f f k f " p q v " q d u t w e v " y g u d q w p f " y j t q w i j " t c h h l e 0 " C f f k k q p c m { . " k " y c u " q d u g t x g f " y j c v " g c u d q w p f " r g h v w t p k p i " x g j l e n g u " q p v q " C u j r c p f " C x g p w g " y q w f " d m q e m " g c u d q w p f " t c h h l e " e t g c v k p i " s w g w u " q p " N c n g " U t g g v " y c v " g z v g p f g f " v q " c p f " u q o g v k o g u " d g { q p f " H c p m k p " C x g p w g 0 " }

"

K l u j q w f " d g " p q v g f " y c v " y j g " e t q u l k p i " i w c t f " m e c v g f " c v " y j g " l p v t u g e v k p p " q h " N c n g " U t g g v ' y k j " C u j r c p f " C x g p w g . l p " c f f k k q p " v q " u q r r k p i " t c h h l e " h q t " e t q u l k p i " r g f g u t k c p u . " y q w f " u q r " t c h h l e " q p " N c n g " U t g g v " v q " c m u y " p q t v j d q w p f " x g j l e n g u " v q " w t p " r g h v " q p v q " N c n g " U t g g v " q t " e q p v k p w g " p q t v j " q p " C u j r c p f " C x g p w g 0 " C v " y j g u g " v k o g u . " y j g " e t q u l k p i " i w c t f " y q w f " c n u q " f k t g e v " g c u d q w p f " r g h v w t p " o q x g o g p w u " l t q o " N c n g " U t g g v " q p v q " C u j r c p f " C x g p w g 0 V j g " e t q u l k p i " i w c t f " y q w f " l t g s w g p v l " u q r " N c n g " U t g g v " t c h h l e " f w t k p i " y j g " o q t p k p i " f t q r / q h h " r g t k q f " o l p k o k l p i " p q t v j d q w p f " s w g w u " q p " C u j r c p f " C x g p w g " c p f " r t q x k f k p i " t g r k g h " v q " y j g " g c u d q w p f " s w g w g k p i 0 J q y g x g t . " f w t k p i " y j g u g " q e e w t t g p e g u " y g u d q w p f " s w g w u " y q w f " g z v g p f " v q " c p f " u q o g v k o g u " y j t q w i j " y j g " l p v t u g e v k p p " q h " N c n g " U t g g v ' y k j " N c v j t q r " C x g p w g 0 " }

"

F t q r / q h h ' c e v k x k { " h q t " U 0 N w n g " R c t k u j " U e j q q n l ' e q p e n w f g f " d { " : < 3 7 " C 0 0 0 c p f " d { " y j k u " v k o g . " h p i " s w g w u " l p " y j g " g c u d q w p f " f k t g e v k p p " p q " h q p i g t " q e e w t t g f 0 " Q x g t c m " y j g " o q t p k p i " f t q r / q h h ' c e v k x k { " q e e w t t g f " y k j l p " q p n l " c " 4 2 / o l p w g " r g t k q f " }

"

F w t k p i " y j g " c h g t p q q p " r l e n / w r " c e v k x k { . " r c t g p w u " r c t n l ' e w t d u k f g " q p " d q v j " u k f g u " q h " C u j r c p f " C x g p w g " p q t v j " q h " N c n g " U t g g v " c p f " c n u q " u n c i g " y k j l p " y j g " r c t n k p i " m v " m e c v g f " q p " y j g " p q t v j " u k f g " q h " y j g " u e j q q n l " R c t g p w u " i g v " q w " q h " y j g k t " x g j l e n g u " c p f " y c k v " h q t " y j g k t " e j k f t g p " c v " y j g " g p v t c p e g u " m e c v g f " q h h " C u j r c p f " C x g p w g 0 Q p e g " u w f g p w u " c t g " t g n c u g f . " r c t g p w u " g z k v " y j g k t " r c t n k p i " c t g c " d { " t c x g r k p i " p q t v j " q p " C u j r c p f " C x g p w g 0 " " }

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Hlgrf "qdugtxcvkpu'eqpf wevgf 'f wtkpi 'y g'y ggnf c { 'chgtppqp'r len'wr 'r gtlkf 'lpf lecvgf 'y cv'xgj lengu" dgi cp"unci kpi "qp"C uj rcpf "Cxgpwg"cu"gcetf "cu"4-52"R00 0'Vj g"o clqtkf { "qh'r len'wr "cevkxk { "y cu" eqpvclpgf "y kj kp"Cuj rcpf "Cxgpwg"pqtj "qh'Ncng"Utggy'cpf "f kf "pqv'ko r cev'y g'y tqwi j "tchle"qp" Ncng"Utggy'Uko krt "vq"y g"o qtpkpi "f tqr /qh'cevkxk { . "y g"etquulpi "i wctf "uqr r gf "xgj lengu"kp"y g" gcudqwpf "cpf "y gurdqwpf "f kgevkqp"qp"Ncng"Utggy'hqt "r gf gultkpu"cpf "o kpat "cr r tqcej "xgj leng" o qxgo gpv'y j lej "ecwugf "s wgwklpi "kp"y g"gcudqwpf "cpf "y gurdqwpf "f kgevkqp"y kj "y gurdqwpf " s wgwgu"gzvgpf kpi "vq"cpf "dg { qpf "y g"lpvtugevkqp"qh'Ncng"Utggy'y kj "Ncvj tqr "Cxgpwg"J qy gxgt. " cm'o clqt "r len'wr "cevkxk { "qeewtgf "dgvy ggp"4-72"R00 0'cpf "5-32"R00 0'y kj "cm"U0'Nwng"Rctkuj " Uej qqr'cevkxk { "f qpg"d { "5-37"R00 0'K'uj qwf "dg"pqvgf "y cv'y ku'uej qqr'cevkxk { "qeewtgf "qwuik g"qh" yj g'y ggnf c { "gxgpkpi "r gcnlj qwt0"

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Nkpeqrp"Grgo gpvct { "Uej qqr'ku'mecvgf "3.222"hggy'y guv'qh'y g'ukg"qp"y g"pqtj "ukf g"qh'Ncng"Utggy' dgvy ggp"Rctm"Cxgpwg"cpf "Hicpmkp"Cxgpwg"cpf "Tqqugxgn/O kf f ng"Uej qqr'ku'mecvgf "qpg/s wctvg" qh'c'o kg'pqtj "qh'y g'ukg'kp"y g"pqtj gcu'v wcf tcv'qh'y g'lpvtugevkqp"qh'Ncvj tqr "Cxgpwg"y kj "Qcm' Cxgpwg"0Dqj "uej qqr'u'uctv'cv' :52'C00 0'cpf "gpf 'cv5-42"R00 0'Hlgrf "qdugtxcvkpu'eqpf wevgf 'f wtkpi " yj g'y ggnf c { "o qtpkpi "r gcnlj qwt"lpf lecvgf "y cv'y g"etquulpi "i wctf "mecvgf "cv'y g"lpvtugevkqp"qh' Ncng"Utggy'y kj "Hicpmkp"Cxgpwg."ugt xkpi "Nkpeqrp"Grgo gpvct { "Uej qqr'y qwf "uqr "tchle"kp"y g" gcudqwpf "cpf "y gurdqwpf "f kgevkpu"qp"Ncng"Utggy'vq"cmqy "hqt "r gf gultkp"etquulpi 0'Vj ku'etquulpi " i wctf ."kp"eqplwepvkp"y kj "y g"U0'Nwng"Rctkuj "Uej qqr'etquulpi "i wctf ."ecwugf "y gurdqwpf "s wgwgu" qp"Ncng"Utggy'ltqo "Hicpmkp"Cxgpwg."y cv'gzvgpf "y tqwi j "y g"lpvtugevkqp"qh'Ncng"Utggy'y kj " Ncvj tqr "Cxgpwg"y cv'y qwf "cnq"ecwug"s wgwklpi "kp"y g"uqwj dqwpf "f kgevkqp"qp"Ncvj tqr "Cxgpwg" cv'Ncng"Utggy'0Y j kg'pq"s wgwklpi "qh'xgj lengu'cv'Tqqugxgn/O kf f ng"Uej qqr'y gtg'qdugt xgf "vq'ko r cev' yj g'uwf { "ctgc."y g'uctv'vko g'qh'y ku'uej qqr'eqvtdwgf "vq"y g'xgj leng'uwti g'gzzr gtlgpegf "f wtkpi "y g" y ggnf c { "o qtpkpi "r gcnlj qwt"ltqo " : 22'C00 0'vq" : 52'C00 0'Cm's wgwklpi "cpf "tchle"tguwnkpi "ltqo " yj g'y tgg/ctgc"uej qqr'u'f kuik cvg'ltqo "y g'uwf { "ctgc"d { " : 52'C00 0"

F wtkpi "y g"chgtppqp"r len'wr "cevkxk { ."xgj leng"s wgwklpi "ltqo "Nkpeqrp"Grgo gpvct { "Uej qqr'cpf " Tqqugxgn/O kf f ng"Uej qqr'kf "pqv'ko r cev'y g'uwf { "ctgc"lpvtugevkpu"J qy gxgt. "y gug'uej qqr'tgrcug" vko gu'f kf "eqvtdwgf"vq"y g'xgj leng'uwti g'gzzr gtlgpegf "dgvy ggp"5-22"R00 0'cpf "5-52"R00 0'qp"y g'ctgc" tqcf y c { "pgwy qtn0Cm'uej qqr'tgrcvgf "xgj leng"tchle"t kuik cvgf "d { "5-52"R00 0"

Cf f kkpccn'Hlgrf "Qdugtxcvkpu"

F wtkpi "y g"y ggnf c { "gxgpkpi "r gcnl'r gtlkf ."uqwj dqwpf "s wgwgu"cv'y g"lpvtugevkqp"qh'Ncvj tqr " Cxgpwg"cpf "Egptcn"Cxgpwg"gzvgpf "ltqo "Egptcn"Cxgpwg"y tqwi j "y g"lpvtugevkqp"qh'Ncng"Utggy' y kj "Ncvj tqr "Cxgpwg"0Vj gug's wgwgu'ctg'f wq"y g'j ki j "xqno g'qh'uqwj dqwpf "xgj lengu"qp"Ncvj tqr " Cxgpwg"cv'Egptcn"Cxgpwg"cpf "ku"qr gtcvkp"cu"cp"cm/y c { "uqr "uki p"eqvtdqngf "lpvtugevkp0' Cf f kkpccm { ."y g"pqtj dqwpf "cr r tqcej "cv' y ku' lpvtugevkqp"y cu"qdugt xgf "vq"qr gtcvg"cu"vy q" pqtj dqwpf "rcpgu"f wtkpi "y g'r gcnlj qwt"fwg"vq"y g"gzkukpi "r cxgo gpv'y kf yj "r tqxkf gf 0'F wtkpi "y g" y ggnf c { "o qtpkpi "r gcnlj qwt."y j gp"vy q/j qwt"r ctnkpi "ku"r gto kwgf "qp"y g"gcuv'ukf g"qh'Ncvj tqr " Cxgpwg"pqtj "qh'Egptcn"Cxgpwg."y g'pqtj dqwpf "cr r tqcej "qr gtcvgf "cu"c'uj ctgf "nghv'y tqwi j "rcpg" cpf "cp"gzenukxg'tki j v wtp"rcpg0'F wtkpi "y g'y ggnf c { "gxgpkpi "r gcnlj qwt."y j gp"vy q/j qwt"r ctnkpi " ku'r tqj kdkgf "qp"y g'gcuv'ukf g"qh'Ncvj tqr "Cxgpwg"pqtj "qh'Egptcn"Cxgpwg."y g'pqtj dqwpf "cr r tqcej " qr gtcvgf "cu"c'uj ctgf "nghv'wtp'ly tqwi j "rcpg"cpf "c'uj ctgf "y tqwi j ltki j v wtp"rcpg0"

3. Traffic Characteristics of the Proposed Development

"
"
Kp"qtfgt "v"r tqr gtn { "gxcnvcg" hwwtg "tchhke" eqpf kkpup "k" yj g'uwttqwpf kpi "ctgc." k'y cu'pgeguuct { "v"
f gvgto kpg" yj g" tchhke" ej ctcevgtkurkeu" qh" yj g" r tqr qugf " f gxgnr o gpv." kpenmf kpi " yj g" f kgevkqpcn'
f kntkdwkqp"cpf "xqmw gu'qh'tchhke" yj cv'k'y kni gpgtcvg0

Rtqr qugf "Ukg"cpf "F gxgnr o gpv'Rncp"

Cu'r tqr qugf . "yj g'r ncpu'ecniht" yj g'tgf gxgnr kpi "yj g'ukg'y kj "cr r tqzko cvgn { "38.432" us wctg/hggv'qh"
i tqwpf "hmq"tgckn" cr r tqzko cvgn { "54" eqpf qo kpkwo "wpku"cpf "c" r ctnkpi "i ctcg" yj kj ": 8" r ctnkpi "
ur cegu'y kj "54" r ctnkpi "ur cegu'tgugtxgf "hqt"tgckn'wug0C"eqr { "qh'yj g'r tgrko kpct { "ukg'r ncp" f gr kcvkpi "
yj g'r tqr qugf "f gxgnr o gpv"cpf "ceegu"ku'kpenmf gf "k" yj g"Cr r gpf kz0

Rtqr qugf "Ceegu"

"
Ceegu"v" yj g'hku'v'hmq"qh'yj g'r ctnkpi "i ctcg" yj kn'dg'r tqxkf gf "xlc" c'hwn'o qxgo gpv'ceegu" f tkxg"
qhh'Ncv tqr "Cxgpwg"cpf "ceegu"v" yj g'ugeqpf "hmq"qh'yj g'r ctnkpi "i ctcg" yj kn'dg'r tqxkf gf "xlc" c'hwn'
o qxgo gpv'ceegu" f tkxg'qh'Cu'j ncpf "Cxgpwg0Dqy" "ceegu" f tkxgu'y kni tqxkf g'qpg'kpdqwpf "ncpg"cpf "
qpg'qwdqwpf "ncpg"cpf "yj g'r tqr qugf "ceegu" f tkxg'qh'Cu'j ncpf "Cxgpwg'y kn'dg'tgi wcvgf "xlc" c'i ctcg" yj
f qqt" yj cv'y kn'dg'emqugf "cv'cm'k'o gu0

Nqcf kpi "

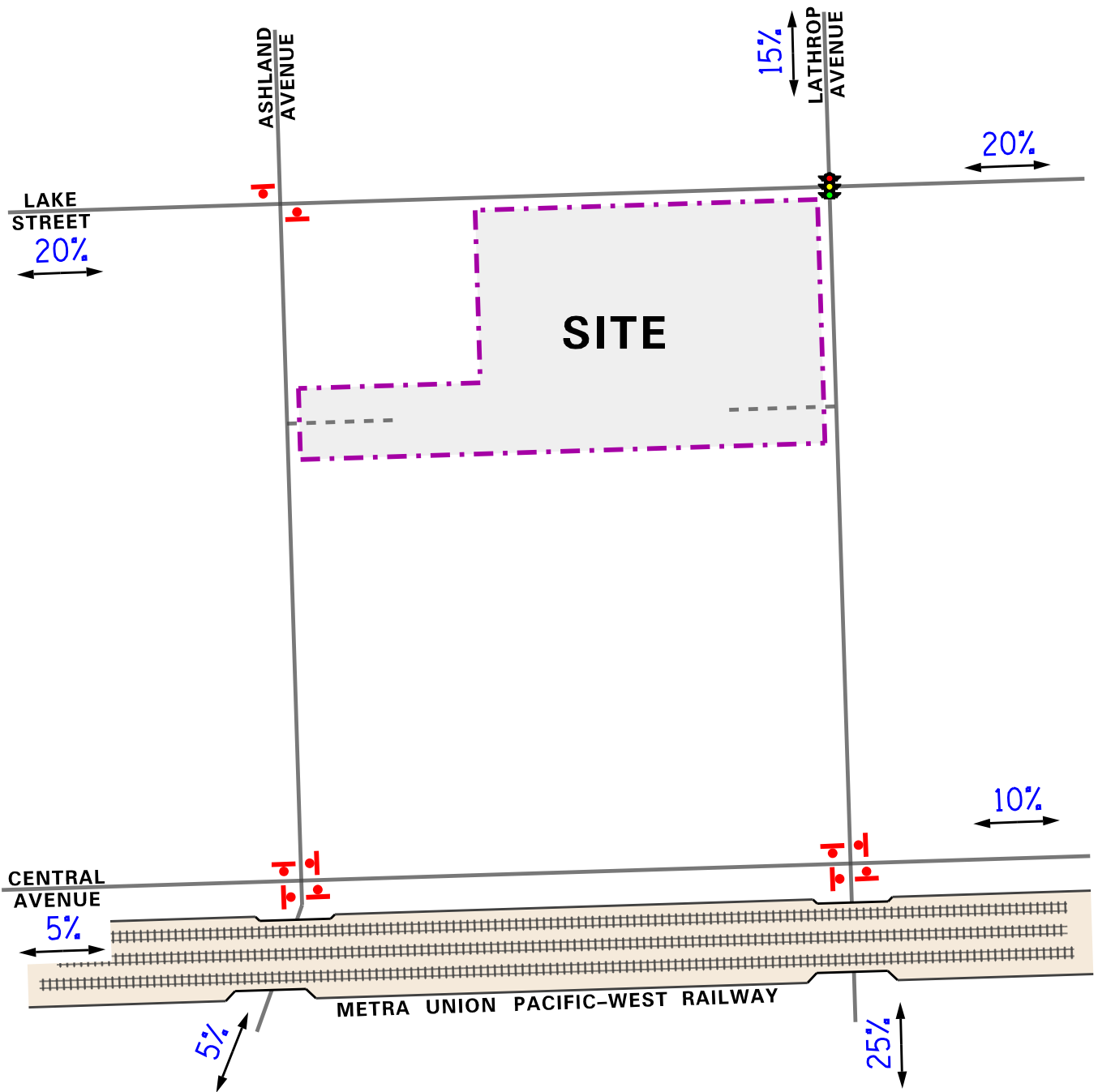
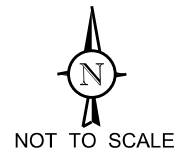
"
Nqcf kpi "hqt" yj g'eqpf qo kpkwo "wpku"y kn'dg'r tqxkf gf "qp/ukg"y kj "ceegu"v" yj g'ncf kpi " | qpg"
r tqxkf gf "qh'Cu'j ncpf "Cxgpwg0Nqcf kpi "hqt" yj g'tgckn'ur ceg"y kn'dg'r tqxkf gf "qp" yj g'gcu'ukf g'qh"
Cu'j ncpf "Cxgpwg'dgy ggp"Ncng"Utggy'cpf "yj g'r tqr qugf "ceegu" f tkxg0Vj g'r tqxkukp"qh'yj g'ncf kpi "
| qpg'cmppi "Cu'j ncpf "Cxgpwg'y kn'tguwn'k" yj g'kuu'qh'yj tgg'r ctnkpi "ur cegu." kpenmf kpi "qpg"j cpf kcr "
r ctnkpi "ur ceg0K'ku'tgeqo o gpf gf "yj cv'y g"j cpf kcr "r ctnkpi "ur ceg'dg'tgncvcgf "v" yj g'y guv'ukf g'qh"
yj g'tqcf y c {0"

F kgevkqpcn'F kntkdwkqp"

Vj g'f kgevkpu"htqo "y j lej "tgu'k'gpw"cpf "r ctpu"qh'yj g'o kzgf /wug'f gxgnr o gpv'y kn'cr r tqcej "cpf "
f gr ctv'yj g'ukg'y g"t"gu'ko cvgf "dcugf "qp"gzknkpi "tcxgn'r cwgtpu."cu" f gvgto kpgf "htqo "yj g"tchhke"
eqwpu0"Figure 6 knwutcvgu" yj g'f kgevkqpcn'f kntkdwkqp"qh'yj g'f gxgnr o gpv'i gpgtcvgf "tchhke0

"

LEGEND
 00% - PERCENT DISTRIBUTION



Mixed-Use
 Development
 River Forest, Illinois

Estimated Directional Distribution

KLOA
 Kenig, Lindgren, O'Hara, Aboona, Inc.
 Job No: 18-003 Figure: 6

Gunko cvgf "Ukg'Vtchle'I gpgtcvkp"

Vj g'gunko cvgu'qh'tchle'v'q'dg'i gpgtcvgf "d{ 'y g'f gxgnr o gpv'ctg'dcugf 'wr qp'y g'r tqr qugf 'ncpf 'wug' v'r g'cpf 'uk' g0Vj g'xqno g'qh'tchle'i gpgtcvgf 'hqt'y g'O kz gf/Wug'f gxgnr o gpvy' cu'gunko cvgf 'wukpi " f cvc'r wdrkuj gf "kp'y g' "kpukwg"qh'Vtcur qtvcvkp"Gpi kpggtu"*KVG+Trip Generation Manual."; y " Gf kkp0K'uj qwf "dg'pqvf 'y cv'y g'r tqr qugf "o kz gf/wug'f gxgnr o gpv'ku'hqecvf 'y kj kp'qpg/j ch'o kg" qh'y g'Tkgt'Hqguv'Wpkp"Rceh'e"o'Y guv'O gtc'Ego o wgt'Tckay c{ "Ucvkp0Cu'uwej . "o cp{ 'qh'y g' tgul' gpv'y kn'gkj gt'wkrk' g'r wdrle'v'cpcur qtvcvkp"v'i g'v'q'y qtn'qt'y kn'dg"go r m{ ggu'qh'y g'j qur kcr0' Dcugf "qp'egpuw'f cvc'r tqxf gf 'hqt'y qwugj qrf u'hqecvf 'y kj kp'qpg/j ch'o kg'qh'y g'Tkgt'Hqguv'O gtc" Ucvkp."cr r tqzko cvgn'47'r gtegpv'qh'tguk' gpv'wkrk' g'r wdrle'v'cpcur qtvcvkp"v'v'cxgn'v'ltqo 'y qtn0Cu" uwej ." y g' v'kr u' gunko cvgf "v'q' dg" i gpgtcvgf "d{ " y g' r tqr qugf " cr ctvo gpv' wpu" y gtg' tgf wegf " d{ " cr r tqzko cvgn'47'r gtegpv'f w'q'y g'r tqzko k' qh'r wdrle'v'cpcur qtvcvkp0Table 4 vcdwcvgu'y g'xgj keng" v'kr u'cpv'ekr cvgf 'hqt'y ku'f gxgnr o gpv0"

"

K'uj qwf "dg'pqvf "y cv'y ku'v'kr "i gpgtcvkp"ku'eqpugt'xcv'xg"cu'k'tgr tgu'gpv'y g'r gcm'j qwt'qh' eqo o wgt'v'chle'y j lej 'i gpgtcm' 'qeewu'dgy ggp'6-22'R00 0'cpf '8-22'R00 0'cpf 'y ku'v'kr 'i gpgtcvkp" y cu'v'cpcur qugf "qp'y g'r gcm'j qwt'qh'cf l'cegpv'tqcf y c{ 'v'chle'qeewu'ltqo "5-52'R00 0'v'q'6-52'R00 0' I gpgtcm' 'f wtkpi 'y ku'v'kr gcm'j qwt.'y g'pwo dgt'qh'eqo o wgt'v'kr u'i gpgtcvgf "d{ 'y g'f gxgnr o gpvy' kn' dg'rguu0'Cf f kkp'cm'." y g'ukg"ku'ewt'gpv' "qeewr kgf "d{ "c"pwo dgt'qh'qeewr kgf "cpf "qr gtcv'pi " eqo o gtekn'wugu'cpf "y g'v'kr u'i gpgtcvgf "d{ 'y gug'wugu'y gtg'pqv'tgo qxgf "ltqo "y g'ctgc'tqcf y c{ " pgwy qtn0"

"

Vedrg'6"

GUVKO C VGF "UKG/I GP GT C VGF "VTCHHE "XQNO GU"

ITE Land Use Code	Type/Size	Weekday Morning Peak Hour			Weekday Evening Peak Hour			Daily Two-Way Trips"		
		In	Out	Total	In	Out	Total			
452"	Eqpf qo kpkwo u"***** *54"Wpkv+ "	6"	39"	43"	"	38"	: "	46"	"	45: "
"	25 Percent Reduction	-1	-4	-5	-4	-2	-6			-60
: 48"	Ur gekcm' "Tgvckl' *38.432"u00+ "	9"	6"	33"	"	3: "	47"	66"	"	93: "
"	Total	10	17	27	31	31	62			896

"

"

4. Projected Traffic Conditions

"
"

Vj g"vqcn'r tqlgevgf "vchhe"xqno gu"lpenwf g"vj g"gzkupi "vchhe"xqno gu"lpetgcug"lp"dceni tqwpf "
vchhe" f wg" vq" i tqy vj ." cpf " vj g" vchhe" guko cvgf " vq" dg" i gpgtcvgf " d{ " vj g" r tqr qugf " uwdlgev"
f gxgnr o gpv0'
"

F gxgnr o gpv"Vtchhe"Cuuki po gpv"

Vj g"guko cvgf "y ggnf c{ "o qtpkpi "cpf "gxgkpi "r gcnlj qwt"vchhe"xqno gu"vj cv'y kn'dg"i gpgtcvgf "
d{ "vj g"r tqr qugf " f gxgnr o gpv"y gtg" cuuki pgf " vq" vj g" tqcf y c{ " u{ ugo " lp" ceeqtf cpeg" y kj " vj g"
r tqlgevgf " f guetkdgf " f kgevkpcn'f kntkdwkq "Hki wtg"8+0"Vj g"vqcn'pgy "vchhe"cuuki po gpv"ht"vj g"
eqo o gteknf gxgnr o gpv"ku'knwutcvgf "lp"Figure 70"

Dceni tqwpf "Vtchhe"Eqpf kkpup"

Vj g"gzkupi "vchhe"xqno gu"*Hki wtg"6+y gtg"lpetgcugf "d{ "c'tgi kpcn'i tqy vj "lcevt"vq"ceeqwpv"ht"
vj g"lpetgcug"lp"gzkupi "vchhe"tgrcvgf "vq"tgi kpcn'i tqy vj "lp"vj g"ctgc"100"pqv'cwtkdwdng"vq"cp{ "
r ctvewrt" r rppgf " f gxgnr o gpv0' Dcugf " qp" CFV" r tqlgevgf " r tqxkf gf " d{ " vj g" Ej kci q"
O gtr qnscp"Ci gpe{ "ht"Rrppkpi "EO CR+"lp"c"rgwt"fcvgf "Lcpwt{ "33."423: ."cp"lpetgcug"qh"
cr r tqzko cvgn{ "2087"r gtegpv'r gt{ gct"ht"ukz" { gctu"*dwkf qw" { gct"r nu"hxg" { gctu+y cu"cr r rkgf "vq"
r tqlgev"l gct"4245"eqpf kkpup0"C"eqr { "qh"vj g"EO CR"4262"r tqlgevgf "rgwt"ku"lpenwf gf "lp"vj g"
Crr gpfkz0"

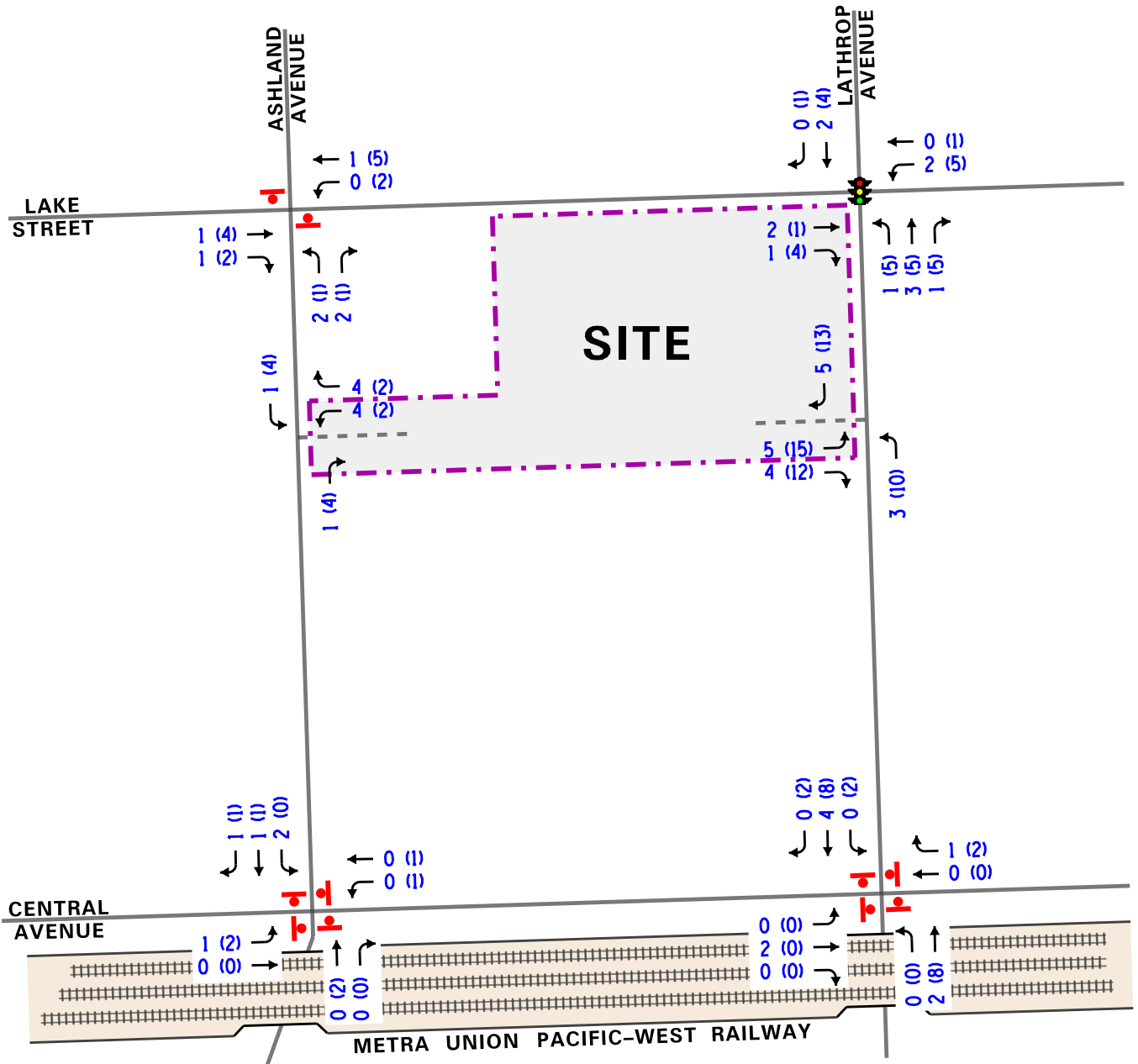
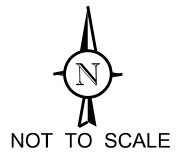
Vqcn'Rtqlgevgf "Vtchhe"Xqno gu"

"

Vj g" f gxgnr o gpv"i gpgtcvgf "vchhe"y cu"cff gf "vq"vj g"gzkupi "vchhe"xqno gu"ceeqwpv"lp"ht"
dceni tqwpf "i tqy vj "vq"fgvto kpg"vj g"l gct"4245"vqcn'r tqlgevgf "vchhe"xqno gu"cu'lj qy p"lp"Figure
80'
"

LEGEND

- 00 - AM PEAK HOUR (7:30-8:30 AM)
- (00) - PM PEAK HOUR (3:30-4:30 PM)



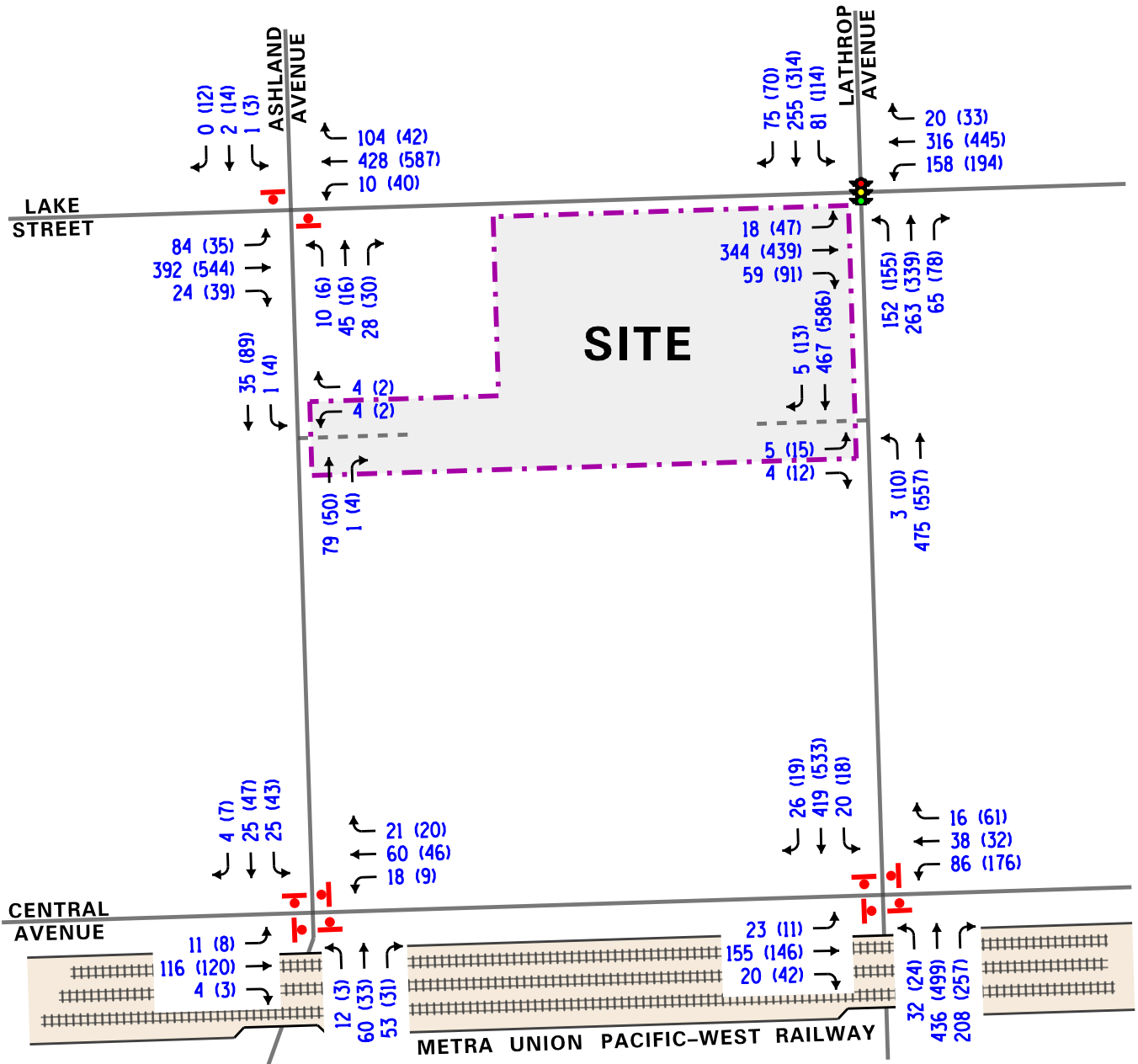
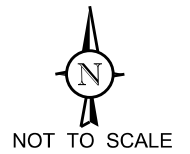
Mixed-Use
Development
River Forest, Illinois

Estimated Site-Generated
Traffic Volumes

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.
Job No: 18-003 Figure: 7

LEGEND

- 00 - AM PEAK HOUR (7:30-8:30 AM)
- (00) - PM PEAK HOUR (3:30-4:30 PM)



Mixed-Use
Development
River Forest, Illinois

Year 2023 Total Projected Traffic Volumes

5. Traffic Analysis and Recommendations

Vj g'hqmy kpi "r tqxkf gu"cp"gxncvkap"eqpf wevgf "hqt"vj g'y ggnf c{"o qtpkpi "cpf"y ggnf c{"gxgpkpi " r gcnlj qwtu0Vj g'cpcn{uku'kpenwf gu'eqpf wevki "ecr cekv{"cpcn{ugu'q'f gvgto kpg'j qy 'y gml'y g'tqcf y c{" u{uvg "cpf"ceeguu'f tkxgu"ctg"r tqlgvegf "vq"qr gtcvg"cpf"y j gjv gt"cp{"tqcf y c{"ko r tqxgo gpw"qt" o qf hkecvkap"ctg'tgs wkt gf 0"

Vtchle"Cpcn{ugu"

"

Tqcf y c{"cpf"cf lcegpv"qt"pgctd{"kpvgtugevkap"cpn{ugu'y gtg'r gthqto gf "hqt"vj g'y ggnf c{"o qtpkpi " cpf"y ggnf c{"gxgpkpi " r gcnlj qwtu'hqt"vj g'gzkukpi "¶ gct"4239+"cpf"hwatg'r tqlgvegf "¶ gct"4245+" vtchle"xqno gu0"

"

Vj g"vtchle"cpn{ugu'y gtg'r gthqto gf "wukpi "vj g"o gjv qf qmri lgu"qwrkpgf "kp"vj g"Vtcur qtvcvkap" Tgugctej "Dqctf au" *Highway Capacity Manual (HCM), 2010*" cpf" cpcn{gf "wukpi "vj g" U{pej tq lUko Vtchle"; "eqo r wgt'uqhvy ctg0U{pej tq lUko Vtchle"; "y cu'wkrk gf 'f wg'vq'vj g'r tqzko kv" qh'vj g'uki pcrk gf "kpvgtugevkap"qh'Ncng"Utggy'y kj "Ncvj tqr "Cxgpwg"vq'vj g'mecvkap"qh'vj g'r tqr qugf " ceeguu'f tkxg"qp"Ncvj tqr "Cxgpwg"cpf"vj g'wpuki pcrk gf "kpvgtugevkap"qh'Ncng"Utggy'y kj "Cuj rcpf " Cxgpwg0Vj g"cpn{ugu'hqt"vj g'kpvgtugevkap"qh'Ncng"Utggy'y kj "Ncvj tqr "Cxgpwg"y gtg'eqo r ngvgf " wkrk kpi "hkrf"o gcuwtgf "e{eng'igpi vj u'cpf"r j culpi u0"

"

Vj g'cpcn{ugu'hqt"vj g'wpuki pcrk gf "kpvgtugevkapu'f gvgto kpg'vj g'cxgtci g'eqpvtqnf grc{"vq"xgj kengu"cv" cp"kpvgtugevkap0Eqpvtqnf grc{"ku"vj g'grc ugf "vko g'ltqo "c"xgj keng"lqkpkpi "vj g's wgw"cv'c"uqr "uki p" ¶kpenwf gu"vj g'vko g'tgs wktgf "vq"f gegrgtcvg"vq"uqr "+"wpki'ku"f gr ctwtg"ltqo "vj g'uqr "uki p"cpf" tguwo r vkap"qh'ltgg'hqy "ur ggf 0"Vj g'o gjv qf qmri {"cpcn{gu'gcej "kpvgtugevkap"cr r tqcej "eqpvtqmgf" d{"c"uqr "uki p"cpf"eqpukf gtu"vtchle"xqno gu"qp"cm'cr r tqcej gu'cpf"rpg"ej ctcevgtkrku0"

"

Vj g'cdkkrk{"qh'cp"kpvgtugevkap"vq"ceeqo o qf cvg"vtchle'hqy "ku'gzr tguugf "kp"vgto u'qh'rgxgn'qh'ugt xleg." y j lej "ku'cuuki pgf "c'rgwt'ltqo "C"vq"H'dcugf"qp"vj g'cxgtci g'eqpvtqnf grc{"gzr gtlkpggef "d{"xgj kengu" r cuukpi "vj tqwi j "vj g'kpvgtugevkap0"Vj g"*Highway Capacity Manual*"f ghkpkkpu'hqt'rgxgn'qh'ugt xleg" cpf"vj g'eqttgur qpf kpi "eqpvtqnf grc{"hqt'uki pcrk gf "kpvgtugevkapu"cpf"wpuki pcrk gf "kpvgtugevkapu"ctg" kpenwf gf "kp"vj g'Cr r gpf kz"qh'vj ku'tgr qt0"

"

Uwo o ctkgu'qh'vj g'vtchle"cpn{uku'tguwu'uj qy kpi "vj g'rgxgn'qh'ugt xleg"cpf"qxgtcm'kpvgtugevkap"f grc{" *o gcuwtgf "kp"ugeqpf u+"hqt"vj g'gzkukpi "cpf"l gct"4245"vqcn'r tqlgvegf "eqpf kkpku"ctg'r tguugpf "kp" **Tables 5** vj tqwi j "7."tgr gevkggn{0C"f kweuukqp"qh'vj g'kpvgtugevkapu'hqmy u0Uwo o ct{"uj ggvi'hqt" vj g'ecr cekv{"cpcn{ugu'ctg'kpenwf gf "kp"vj g'Cr r gpf kz0"

Vcdrg"7"

ECRCEK\ "CPCN\ UK\TGUNVU"6"NCM"GVUTGV"Y K\J "NCVJ QR'CXGP WG"6"UK P CNK KGF ""

	Peak Hour	Eastbound			Westbound			Northbound			Southbound			Overall"	
		L	T	R	L	T	R	L	T	R	L	T	R		
Year 2017 Existing Conditions	Weekday Morning Peak Hour	D" 360"	E" 560"	E" 460"	D" 380"	E" 450"	D" 420"	E" 430 "	F" 5; 0"	F" 3; 04"	D" 6304"	F" 6304"	E "6"528"		
		E"6"5404"			E"6"4304"			E"6"5508"			F"6"580 "				
	D" 370"	F" 5; 0"	E" 470"	E" 420"	E" 560 "	E" 440 "	E" 470"	E" 450 "	F" 6; 0"	E" 690"	F" 690"	F "6"590"			
Year 2023 Projected Conditions	Weekday Morning Peak Hour	F "6"5706"			E"6"5208"			F"6"640 "			F"6"6308"			E"6"530"	
		D" 360"	E" 570 "	E" 460 "	D" 390"	E" 460"	E" 4204"	E" 450"	F" 6208"	D" 3; 0"	F" 6408"		F "6"5; 0"		
	Weekday Evening Peak Hour	E"6"5506"			E"6"430 "			E"6"570"			F"6"5; 0"				F "6"5; 0"
D" 380"		F" 630 "	E" 4804"	E" 4408"	F" 580 "	E" 4504"	E" 490"	F" 740"	E" 4704"	F" 6; 0"	F "6"6508"				
Year 2023 Projected Conditions	Weekday Evening Peak Hour	F "6"5904"			E"6"540"			F"6"670"				F"6"6508"			F "6"6508"

Ngwgt" f gpqgu"Ngxgnlqht"Ugtxleg" N"6"Nghw"Vwtpu" T"6"TKi j v'Vwtpu"

F gnc{ "kr'o gcunt gf "lp"lgeqpfu0' V"6"Vj tqwi j "

"

"



Vcdrg'8"

ECRCEK\ 'CPCN\ UK\TGUWNVU'6'GZ KVRPI 'EQPF K\KPU'

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Ncmg'Utggy'y kj 'Cuj rcpf 'Cxgpwg"			"	"
• P qtyj dqwpf 'Crr tqcej "	G"	570"	"	E"
• Uqwj dqwpf 'Crr tqcej "	F"	530"	"	F"
• Gcudqwpf 'Ngh/Vwtpu"	C"	; 0"	"	C"
• Y gudqwpf 'Ngh/Vwtpu"	C"	: 04"	"	C"
"	"	"	"	"
Ncyj tqr 'Cxgpwg'y kj 'Egptcn\Cxgpwg"	"	"	"	"
• Qxgtem'	G"	680"	"	H'
• Gcudqwpf 'Crr tqcej '"	E"	3: 04"	"	E"
• Y gudqwpf 'Crr tqcej "	E"	370 "	"	E"
• P qtyj dqwpf 'Crr tqcej "	H"	750"	"	G"
• Uqwj dqwpf 'Crr tqcej "	H"	7: 0"	"	H'
"	"	"	"	"
Cuj rcpf 'Cxgpwg'y kj 'Egptcn\Cxgpwg"			"	"
• Qxgtem'	C"	; 0"	"	C"
• Gcudqwpf 'Crr tqcej "	D"	320"	"	C"
• Y gudqwpf 'Crr tqcej "	C"	; 06"	"	C"
• P qtyj dqwpf 'Crr tqcej "	C"	; 0 "	"	C"
• Uqwj dqwpf 'Crr tqcej "	C"	; 08"	"	C"
NQU'? 'Ngxgrl'qh'Ugtxleg"				
F grc{ 'ku'o gcuvt gf 'kp'bgeqpf u0'				

"

"

"

Vcdrg'9"

ECRCEK\ 'CPCN\ UK'TGUWNVU/'\ GCT'4245'RTQLGE VGF 'VTCHHE'EQP F WKQP U"

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Ncmg'Utggy'y kj 'Cuj rcpf 'Cxgpwg"			"	"
• P qtyj dqwpf 'Crr tqcej "	G"	6308"	"	F " 4: 08"
• Uqwj dqwpf 'Crr tqcej "	F "	5608"	"	F " 5207"
• Gcudqwpf 'Ngh/Vwtpu"	C"	; 08"	"	C" ; 02"
• Y gudqwpf 'Ngh/Vwtpu"	C"	: 05"	"	C" : 0 "
"	"	"	"	"
Ncyj tqr 'Cxgpwg'y kj 'Egptcn\Cxgpwg"	"	"	"	"
• Qxgtem'	H"	7506"	"	H' 9308"
• Gcudqwpf 'Crr tqcej '"	E"	3: 09"	"	E" 4202"
• Y gudqwpf 'Crr tqcej "	E"	3804"	"	F " 4708"
• P qtyj dqwpf 'Crr tqcej "	H"	8405"	"	H' 7; 0 "
• Uqwj dqwpf 'Crr tqcej "	H"	8807"	"	H' ; ; - "
"	"	"	"	"
Cuj rcpf 'Cxgpwg'y kj 'Egptcn\Cxgpwg"			"	"
• Qxgtem'	C"	; 0 "	"	C" : 05"
• Gcudqwpf 'Crr tqcej "	D"	3206"	"	C" : 07"
• Y gudqwpf 'Crr tqcej "	C"	; 08"	"	C" 90 "
• P qtyj dqwpf 'Crr tqcej "	C"	3202"	"	C" 90 "
• Uqwj dqwpf 'Crr tqcej "	C"	; 05"	"	C" : 07"
"	"	"	"	"
Ncyj tqr 'Cxgpwg'y kj 'Ceegu'F tkxg'"	"	"	"	"
• Gcudqwpf 'Crr tqcej "	E"	3707"	"	E" 3808"
• P qtyj dqwpf 'Ngh/Vwtpu"	C"	: 06"	"	C" : 0 "
"	"	"	"	"
Cuj rcpf 'Cxgpwg'y kj 'Ceegu'F tkxg'"	"	"	"	"
• Y gudqwpf 'Crr tqcej "	C"	: 0 "	"	C" ; 02"
• Uqwj dqwpf 'Ngh/Vwtpu"	C"	906"	"	C" 905"
NQU? 'Ngxgn'qh'Ugtxleg" " F grc { 'ku'o gcwutgf 'lp'ugeqpf u0'				

"

"

"

F luewukp"cpf "Tgeqo o gpf cvkqpu"

Vj g'hqmqy lpi 'uwo o ctk guj qy 'vj g'lpvgtugevqpu'ctg'r tqlgevgf 'vq'qr gtcvg'cpf 'kf gpvkh{ 'cp{ 'tqcf y c{ " cpf 'vtchle'eqpvtqnlko r tqxgo gpw'vq'cee qo o qf cvg'vj g'f gxgnr o gpv'vtchle0"

Lake Street with Lathrop Avenue

Vj g'tguwnu'qh'vj g'ecr cekv{ 'cpcn{ uku'lpf lecv'vj cv'qxtcm'vj ku'lpvgtugevqpu'ewtgpw{ 'qr gtcvgu'cv'Ngxgn' qh'Ugtxleg"*NQU+E" f wtkpi "vj g'y ggnf c{ "o qtpkpi "r gcnlj qwt"cpf "cv'NQU'F" f wtkpi "vj g'y ggnf c{ " gxgpkpi "r gcnlj qwt0Wpf gt [gct'4245'r tqlgevgf 'eqpf kxkpu.'vj ku'lpvgtugevqpu'ku'r tqlgevgf 'vq'eqpvkpwg" qr gtcvki 'cv'gzkukpi 'hgxgn'qh'ugt xleg'f wtkpi "vj g'y ggnf c{ "b qtpkpi 'cpf 'y ggnf c{ "gxgpkpi "r gcnlj qwtu" y kj "lpetgcugu'lp'f gnc{ "qh'cr r tqzko cvgn{ "qpg"cpf "vy q'ugeqpf u."t gur gevkggn{ 0Hwt y gto qtg."cm'qh' yj g'cr r tqcej gu'ctg'r tqlgevgf 'vq'eqpvkpwg"qr gtcvki 'cv'NQU'F"qt "dgwgt 'f wtkpi "vj g'r gcnlj qwtu'y kj " lpetgcugu'lp'f gnc{ "qh'cr r tqzko cvgn{ "vy q'ugeqpf u"qt "ngu0"

"

Cu'r tgxkqwn{ 'lpf lecvf .f wtkpi "vj g'y ggnf c{ "b qtpkpi "r gcnlj qwt's wgwgu'tguwnkpi 'ltqo 'vj g'etquukpi " i wctf 'ugt xkpi "U0Nwng'Rctkuj "Uej qqr'ecwug's wgwki "lp'vj g'uqwj dqwpf "cpf "y guvdqwpf "f kgevkpu" cv'vj ku'lpvgtugevqpu0J qy gxgt."vj gug's wgwgu'qpn{ "qeewt'hqt "c'42/o kpwg'r gtkqf "f wtkpi "uej qqr'f tqr / qh'cevkv{ 0F wtkpi "vj g'y ggnf c{ "gxgpkpi "j qwt."uqwj dqwpf "s wgwgu'tguwnkpi 'ltqo 'vj g'cm'y c{ "uqr " uki p" eqpvtqmgf "lpvgtugevqpu"qh"Ncy tqr "Cxgpwg"y kj "Egptcn' Cxgpwg"ecwug's wgwki "lp'vj g' uqwj dqwpf "cpf "y guvdqwpf "f kgevkpu"cv'vj ku'lpvgtugevqpu0lp' qtf gt "vq"o kpo k g"vj g"s wgwki "qh' xgj kergu'qp"Ncng'Utggv'etquukpi "i wctf u'uj qwr "rko k'vj g'pwo dgt'qh'vko gu'vtchle'ku'uqr r gf "lp'vj g" guvdqwpf "cpf "y guvdqwpf "f kgevkpu"qp"Ncng'Utggv'cpf "uj qwr "eqqtf kpcvg"etquukpi u'y kj "vj g" pqt y luqwj "i tggp'r j cug'cv'vj g'lpvgtugevqpu'qh"Ncng'Utggv'y kj "Ncy tqr "Cxgpw0"

"

Qxgtcm'vj g'hgxgn'qh'ugt xleg."lpetgcug'lp'f gnc{ u'cpf "s wgwki "gxr gtlgpegf "cv'vj ku'lpvgtugevqpu'ctg" c'tguwn'qh'vj g'gzkukpi 'vtchle'xqno gu'cpf "qr gtcvqpu."hwt'r gtegpv'dceni tqwpf "i tqy yj "cpf "uwti g" lp'vtchle'i gpgtcvgf "d{ "vj g'vj tgg'ctgc'uej qqn0Y j gtgcu."vj g'r tqr qugf "f gxgnr o gpv'ku'qpn{ 'r tqlgevgf " vq'lpetgcug'vj g'vtchle'vtcxgtukpi "vj ku'lpvgtugevqpu'd{ "qpg'r gtegpv'qt'ngu'f wtkpi "vj g'r gcnlj qwtu0"

"

Cu'uwej . "vj g'r tqr qugf "f gxgnr o gpv'vtchle"y kmj cxg" c"rko kgf "ko r cev'qp"vj g'qr gtcvqpu"qh'vj ku' lpvgtugevqpu0"

Lake Street with Ashland Avenue

Vj g'tguwnu'qh'vj g'ecr cekv{ "cpcn{ uku'lpf lecv'vj cv'vj g'pqt y dqwpf "cr r tqcej "ewtgpw{ "qr gtcvgu'cv' NQU'G'f wtkpi "vj g'y ggnf c{ "o qtpkpi "r gcnlj qwt"cpf "cv'NQU'E" f wtkpi "vj g'y ggnf c{ "gxgpkpi "r gcnlj qwt"cpf "vj g'uqwj dqwpf "cr r tqcej "ewtgpw{ "qr gtcvgu'cv'NQU'F" f wtkpi "dqy "r gcnlj qwtu0Wpf gt [gct'4245'eqpf kxkpu.'vj g'pqt y dqwpf "cr r tqcej "ku'r tqlgevgf 'vq'eqpvkpwg"qr gtcvki 'cv'NQU'G'f wtkpi " yj g'y ggnf c{ "o qtpkpi "r gcnlj qwt"cpf "cv'NQU'F" f wtkpi "vj g'y ggnf c{ "gxgpkpi "r gcnlj qwt"y kj " lpetgcugu'lp'f gnc{ "qh'cr r tqzko cvgn{ "ukz'ugeqpf u"qt "ngu'cpf ", 7y "r gtegpv'kg's wgwgu'qh'vy q"vq'vj tgg" xgj kergu'0Vj g'uqwj dqwpf "cr r tqcej "ku'r tqlgevgf 'vq'eqpvkpwg"qr gtcvki 'cv'NQU'F" f wtkpi "dqy "r gcnlj qwtu'y kj "lpetgcugu'lp'f gnc{ "qh'cr r tqzko cvgn{ "vj tgg'ugeqpf u0"

"

"

Cu'r t g x l q w u n { " k p f l e c v g f . " d g w g g p " 9 - 5 2 " C O O ' 0 c p f " 6 - 2 2 " R O O ' 0 v j g " p q t v j " r g i " q h ' v j g " k p v t u g e v k p p " k u " t g u w l e v g f " v q " q p g / y c { " p q t v j d q w p f " o q x g o g p w u ' v q " l c e k k v { " u e j q q n ' r k e n / w r " c p f " f t q r / q h h ' c e v k x k v { O C u " u w e j " c m l u q w j d q w p f " o q x g o g p w u ' f w t k p i " v j g ' y g g n f c { " o q t p k p i " r g c m j q w t " c p f " 3 3 " q h ' v j g ' u q w j d q w p f " o q x g o g p w u ' v j c v " q e e w t t g f " d g h q t g " 6 - 2 2 " R O O ' 0 f w t k p i " v j g " g x g p k p i " r g c m j q w t " c t g " p q v " r g t o k w g f " o q x g o g p w u " " " "

C f f k k l q p c m { . " v j g " e t q u u k p i " i w c t f " u g t x l k p i " v j g " U O N w a n g " R c t k u j " U e j q q n ' y q w r " c n u q " u v q r " t c h h e " k p " v j g " g c u n d q w p f " c p f " y g u n d q w p f " f k t g e v k p p " q p " N c n g " U t g g v ' f w t k p i " v j g ' y g g n f c { " o q t p k p i " r g c m j q w t " c p f " y q w r " c m q y " p q t v j d q w p f " o q x g o g p w u " c p f " g c u n d q w p f " r g h / w t p " o x q g o g p w u " v q " q e e w t " c v " v j k u " k p v t u g e v k p p O C u " c " t g u w n . " v j g " f g r c { u " g z r g t k g p e g f " d { " p q t v j d q w p f " x g j k e n g u " c p f " v j g " s w g w g k p i " v j c v " q e e w t u " q p " v j g " p q t v j d q w p f " c r r t q c e j " k u ' r k o k g f " f w t k p i " u e j q q n ' f t q r / q h h ' c e v k x k v { . " f g u r k g " v j g " u w t i g " q h " u e j q q n ' t c h h e O " " "

Q x g t c m " v j g " h x g n u " q h ' u g t x l e g . " l p e t g c u g " k p " f g r c { u " c p f " s w g w g k p i " g z r g t k g p e g f " c v ' v j k u " k p v t u g e v k p p " c t g " c " t g u w n " q h ' v j g " g z k u k p i " t c h h e " x q n w o g u " c p f " q r g t c v k p u . " h q w t " r g t e g p v d c e m i t q w p f " i t q y v j " c p f " u w t i g " k p " t c h h e " i g p g t c v g f " d { " v j g ' y t g g " c t g c " u e j q q n O Y j g t g c u . " v j g " r t q r q u g f " f g x g n r o g p v k u " q p n { " r t q l g e v g f " v q " l p e t g c u g " v j g " t c h h e " t c x g t u k p i " v j k u " k p v t u g e v k p p " d { " q p g " r g t e g p v q t " r g u u ' f w t k p i " v j g " r g c m j q w t u O C u " u w e j . " v j g " r t q r q u g f " f g x g n r o g p v " t c h h e " y k n i j c x g " c " r k o k g f " k o r c e v " q p " v j g " q r g t c v k p u " q h " v j k u " k p v t u g e v k p p O " " "

Central Avenue with Lathrop Avenue

V j g " t g u w n u " q h ' v j g " e c r c e k v { " c p c n { u k u " k p f l e c v g " v j c v " v j g " g c u n d q w p f " c p f " y g u n d q w p f " c r r t q c e j g u " e w t t g p v n { " q r g t c v g " c v " N Q U " H " f w t k p i " v j g ' y g g n f c { " o q t p k p i " r g c m j q w t " c p f " c v " N Q U " H " f w t k p i " v j g ' y g g n f c { " g x g p k p i " r g c m j q w t O " W p f g t " [g c t " 4 2 4 5 " r t q l g e v g f " e q p f k k q p u . " v j k u " k p v t u g e v k p p " k u " r t q l g e v g f " v q " q r g t c v g " c v " N Q U " H " f w t k p i " v j g ' y g g n f c { " o q t p k p i " c p f " g x g p k p i " r g c m j q w t u ' y k j " l p e t g c u g u " k p " f g r c { " q h ' c r r t q z k o c v g n { " u g x g p " c p f " h h g g p " u g e q p f u . " t g u r g e v k x g n { O V j k u " x g t c m l h x g n l q h ' u g t x l e g " k u " f w g " v q " v j g " j k i j " x q n w o g " q h ' p q t v j d q w p f " c p f " u q w j d q w p f " t c h h e " f w t k p i " d q v j " r g c m j q w t u " y j k e j " t g u w n u " k p " c " r t q l g e v g f " N Q U " H " h q t " d q v j " c r r t q c e j g u " f w t k p i " d q v j " r g c m j q w t u O V j g " ; 7 v j " r g t e g p v k g " s w g w g u " h q t " v j g " u q w j d q w p f " c r r t q c e j " c t g " r t q l g e v g f " v q " d g " l p e t g c u g " d { " v y q " v q " v j t g g " x g j k e n g u " q x g t " g z k u k p i " e q p f k k q p u " c p f " c t g " e q p u k n g p v " y k j " v j g " s w g w g u " q d u g t x g f " k p " v j g " h g r f O " " "

V j g " t g u w n u " q h ' v j g " e c r c e k v { " c p c n { u k u " c n u q " k p f l e c v g " v j c v " v j g " g c u n d q w p f " c p f " y g u n d q w p f " c r r t q c e j g u " e w t t g p v n { " q r g t c v g " c v " N Q U " E " f w t k p i " v j g ' y g g n f c { " o q t p k p i " c p f " y g g n f c { " g x g p k p i " r g c m j q w t u O " W p f g t " [g c t " 4 2 4 5 " e q p f k k q p u . " v j g " g c u n d q w p f " c p f " y g u n d q w p f " c r r t q c e j g u " c t g " r t q l g e v g f " v q " q r g t c v g " c v " N Q U " F " q t " d g w g t " f w t k p i " v j g " r g c m j q w t u ' y k j " l p e t g c u g u " k p " f g r c { " q h ' c r r t q z k o c v g n { " v y q " u g e q p f u " q t " r g u u O " Q x g t c m " v j g " h x g n u " q h ' u g t x l e g . " l p e t g c u g " k p " f g r c { u " c p f " s w g w g k p i " g z r g t k g p e g f " c v ' v j k u " k p v t u g e v k p p " c t g " c " t g u w n " q h ' v j g " g z k u k p i " t c h h e " x q n w o g u " c p f " q r g t c v k p u . " h q w t " r g t e g p v d c e m i t q w p f " i t q y v j " c p f " u w t i g " k p " t c h h e " i g p g t c v g f " d { " v j g ' y t g g " c t g c " u e j q q n O C u " c " t g u w n . " v j k u " k p v t u g e v k p p " u j q w r " d g " o q p k s q t g f " k p " v j g " h w w t g " v q " f g v g t o k p g " v j g " p g g f " h q t " v j g " r t q x k u k p p " q h ' c " t c h h e " u k i p c n i c v " v j k u " k p v t u g e v k p p O " " "

C u ' r t q r q u g f . " v j g " f g x g n r o g p v k u " q p n { " r t q l g e v g f " v q " l p e t g c u g " v j g " t c h h e " t c x g t u k p i " v j k u " k p v t u g e v k p p " d { " c r r t q z k o c v g n { " q p g " r g t e g p v q t " r g u u ' f w t k p i " v j g " r g c m j q w t u " c p f " c u " u w e j " v j g " r t q r q u g f " f g x g n r o g p v " t c h h e " y k n i j c x g " c " r k o k g f " k o r c e v " q p " v j g " q r g t c v k p u " q h ' v j k u " k p v t u g e v k p p O " " "

"
"
"

Central Avenue with Ashland Avenue

Vj g'tguwmu'qh'vj g'ecr cekv { "cpcn { uku'lpf kecvg'vj cv'qxgtcm'vj ku'lpvtugevkqp'ewttgpvn { "qr gtcvg'cv'NQU' C'f wtkpi "vj g'y ggnf c { "o qtplpi "cpf "y ggnf c { "gxgplpi "r gcmj qwtu0Wpf gt [gct'4245"eqpf kkpqu'vj ku' lpvtugevkqp"cpf "cm'qh'vj g'cr r tqcej gu'ctg'r tqlgevgf "vq"eqpvkpwg"qr gtcvki "cv'gzkukpi "ngxnu'qh' ugtxleg'y kj "lpetgcug'kp'f gr { "qh'ngu'vj cp'qpg'ugeqpf 0Cu'uwej . "vj g'r tqr qugf "f gxgnr o gpv'tchle" y kmj cxg'c'iko kgf "ko r cev'qp'vj g'qr gtcvkpu'qh'vj ku'lpvtugevkqp"cpf "pq'tqcf y c { "qt'tchle"eqpvqr ko r tqxgo gpw'y km'dg'tgs wktgf 0"

Lathrop Avenue with Full Movement Access Drive

Cu'r tqr qugf . "vj ku'ceeguu'f tkxg'y kmr tko ctkn { "r tqxkf g'ceeguu'vq'vj g'54'tgugtxgf 'tgcknr ctnki "ur cegu" cpf "cr r tqzko cvgn { "qpg'vj kf "qh'vj g'tgukf gpvknr ctnki "ur cegu0Vj g'tguwmu'qh'vj g'ecr cekv { "cpcn { uku' lpf kecvg'vj cv'qwdqwpf "o qxgo gpw'ltqo "vj g'ceeguu'f tkxg'ctg'r tqlgevgf "vq"qr gtcvg'cv'NQU'E'f wtkpi " vj g"y ggnf c { "o qtplpi "cpf "y ggnf c { "gxgplpi "r gcmj qwtu0' Cu'r tngxqwn { "lpf kecvgf . "vj g"; 7j " r gtegpvkrg"s wgwu'ht "vj g'pqtj dqwpf "tchle"cv'Ncvj tqr "Cxgpwg"cpf "vj g'uqwj dqwpf "tchle"cv' Egpvcn'Cxgpwg"ctg'r tqlgevgf "vq"gzvgf "dg { qpf "vj g'mecvkqp'qh'vj g'r tqr qugf "ceeguu'f tkxg0Vj ku' ceeguu'f tkxg'uj qwf "dg'o qpkqtgf "kp'vj g'hwwt'g'v'f gvgto kpg'ht'gh/wtkpi "o qxgo gpw'vq'ltqo "vj g" r tqr qugf "ceeguu'f tkxg'uj qwf "dg'tguklevf "f wtkpi "vj g'r gcmj qwtu0'kp'qtf gt "vq"o kpo k g'eqphkewi" dgvy ggp'qwdqwpf "xgj kengu'ltqo "vj g'r ctnki "i ctcj g'cpf "r gf gwtkpu'wknk kpi "vj g'ukf gy cm'xkwnr y ctpki "f gxlegu'uj qwf "dg'r tqxkf gf "cv'vj g'r ctnki "i ctcj g'gwtcpeglgzk0Cu'uwej . "vj ku'ceeguu'f tkxg" y km' dg" cf gs wcvg" kp" ceeqo o qf cvki "vj g" tchle"r tqlgevgf "vq" dg" i gpgtcvgf "d { "vj g" r tqr qugf " f gxgnr o gpv'cpf "y kmr tqxkf g'ghlekpv'ukg'ceeguu0"

Ashland Avenue with Full Movement Access Drive

Vj g'tguwmu'qh'vj g'ecr cekv { "cpcn { uku'lpf kecvg'vj cv'qwdqwpf "o qxgo gpw'ltqo "vj g'ceeguu'f tkxg'ctg" r tqlgevgf "vq"qr gtcvg'cv'NQU'C'f wtkpi "vj g'y ggnf c { "o qtplpi "cpf "y ggnf c { "gxgplpi "r gcmj qwtu0Cu' r tngxqwn { "lpf kecvgf "vj g"; 7j "r gtegpvkrg"s wgwu'ht "vj g'pqtj dqwpf "cr r tqcej "ht"vj g'lpvtugevkqp'qh' Ncng'Utggy'vj kj "Cuj rcpf "Cxgpwg"ctg'r tqlgevgf "vq"dg'vq'vq'vj tgg'xgj kengu'y j lej "y km'pqv'gzvgf " dg { qpf "vj g'mecvkqp'qh'vj g'r tqr qugf "ceeguu'f tkxg0C'f f kkpvcn { . "vj ku'ceeguu'f tkxg'y km'dg'tgi wcvf " xlc'c'i ctcj g'f qqt "vj cv'y km'dg'emugf "cv'cm'ko gu0T gukf gpw'qh'vj g'eqpf qo kpkwo "wpku'y km'dg'i kxgp" c'tgo qvg'ng { "hqd'vq'qr gp'vj g'f qqt'r tkqt "vq'wtkpi "ltqo "Cuj rcpf "Cxgpwg0Vj ku'y km'gpcdr'xgj kengu" vq"ceeguu'vj g'f tkxg'ghlekpv { "cpf "o kpo k g"vj g"s wgwki "qh'xgj kengu"qp" Cuj rcpf "Cxgpwg0' Hwtj gto qtg "vj gtg'ctg'qpn { "r tqlgevgf "vq"dg'vq'vq'vkn'lpdqwpf "xgj kengu'kp'vj g'o qtplpi "cpf "gki j v" lpdqwpf "xgj kengu'kp'vj g'gxgplpi 0Vj ku'gs wcvu'vq'qpg'xgj keng"gxgt { "52"o kpwgu'cpf "qpg'xgj keng" gxgt { "gki j v"o kpwgu."tgur gevkg'0Vj gtghgtg."kv'ku'wpknkn { "vj cv'vq'vq'lpdqwpf "xgj kengu'y km'dg" ceegukpi "vj g'tgukf gpvknr ctnki "ur cegu'cv'vj g'uco g'ko g0Cu'uwej . "vj ku'ceeguu'f tkxg'y km'dg" cf gs wcvg'kp'ceeqo o qf cvki "vj g'tchle"r tqlgevgf "vq"dg'i gpgtcvgf "d { "vj g'r tqr qugf "f gxgnr o gpv'cpf " y kmr tqxkf g'ghlekpv'ukg'ceeguu0"

Rctnkp "Gxcnwcvkqp"

"

Cu'hqwpf "lp"vj g"Xknci g"qh'Tlxgt"Hqtguv\ qpkpi "Eqf g."o wnkco kn "f gxgnr o gpw"ctg"tgs wkt gf "vq" r tqxkf g"vy q"cpf "qpg/j cih'ur cegu'r gt"wpk/hqt"vj tgg"qt"o qtg/dgf tqgo "f y gmkpi "wpku"cpf "qpg"i wguv" r ctnkpi "ur ceg"ku'tgs wkt gf "hqt"gej "hkg"fy gmkpi "wpku"gs wcvkpi "vq"c"qvci'qh": 9"tgs wkt gf "r ctnkpi " ur cegu'hqt"vj g"eqpf qo lpkwo "wpku0'Dcugf"qp"vj g"Xknci g"qh'Tlxgt"Hqtguv\ qpkpi "Eqf g."otgckn' guxcdrkuj o gpw."necvgf "y kj lp"vj g"ctgc"dqwpf gf "d{"Ncv tqr "Cxgpwg."Ncng"Utggv."Rctni'Cxgpwg" cpf "c"tkpg"qpg/j cih'dmcm'uqwj "qh'cpf "r ctcnri'vq"Ncng"Utggv."uj cm'pqv'dg"tgs wkt gf "vq"r tqxkf g"cp{" qh'utggv"r ctnkpi 0"Vj gtghqtg."vj g"r tqr qugf "f gxgnr o gpv"ku'tgs wkt gf "vq"r tqxkf g"c"qvci'qh": 9" r ctnkpi "ur cegu'dcugf"qp"Xknci g"qh'Tlxgt"Hqtguv\ qpkpi "Eqf g0"

"

Vj g"r tqr qugf "o kzgf/wug"f gxgnr o gpv'y kn'r tqxkf g"c"qvci'qh": 8"r ctnkpi "ur cegu0Vj ku'tguwmu"lp"c" f ghck/qh'qpg'r ctnkpi "ur ceg"eqo r ctgf "vq"vj g"Xknci g'tgs wkt go gpv0J qy gxgt."cu'r ctv'qh'vj g'r tqr qugf " f gxgnr o gpv."54"r ctnkpi "ur cegu'y kj lp"vj g'i tqwpf "hqt"qh'vj g'r ctnkpi "i ctc i g'y kn'dg'cxckcdng'hqt" vj g'tgckn'wug."tguwmu"lp"76"ur cegu'tgugxgf "hqt"tgu'gpv'kn'wug"cv"c"tcvkq"qh'308; "ur cegu'r gt"wpk0' Cf f kqpcmf."k'uj qwf "dg'pqvgf "vj cv'vj gtg"ctg"cr r tqzko cvgn'3; "qp/utggv'r ctnkpi "ur cegu'r tqxkf gf " qp"Ncng"Utggv"dgw ggp"Ncv tqr "Cxgpwg"cpf "Cuj rcpf"Cxgpwg."42"qp/utggv'r ctnkpi "ur cegu" r tqxkf gf "qp"Ncng"Utggv'dgw ggp"Cuj rcpf"Cxgpwg"cpf "Hcpmkp"Cxgpwg"cpf "cr r tqzko cvgn'38"qp/ utggv'r ctnkpi "ur cegu'r tqxkf gf "qp"Ncng"Utggv'dgw ggp"Ncv tqr "Cxgpwg"cpf "Lcemuq"Cxgpwg0"

"

Vj g"r tqr qugf "r ctnkpi "tcvkq"qh'308; "ur cegu'r gt"wpk/gzeggf u"vj g'cxgtci g'r gcm'r ctnkpi "f go cpf "hqt" eqpf qo lpkwo "f gxgnr o gpw"qh'305: "ur cegu'r gt"wpk/cpf "vj g": 7"vj "r gtegpv'wug'r gcm'r ctnkpi "f go cpf " qh'3074"ur cegu'r gt"fy gmkpi "wpk'dcugf"qp"lphqto cvkqp"r wdkuj gf "lp"vj g"K/G"Parking Generation Manual.

Cu'uwej ."vj g"r tqr qugf "o kzgf/wug"f gxgnr o gpv'y kn'r tqxkf g"r ctnkpi "ur cegu"vj cv'y kn'gzeggf "vj g" cxgtci g"cpf": 7"vj "r gtegpv'wug'r ctnkpi "f go cpf "qh'eqpf qo lpkwo "wpku'r gt"vj g"K/G"Parking Generation Manual"cpf "vj g"wug'qh'cr r tqzko cvgn'54"i tqwpf "hqt"r ctnkpi "ur cegu'hqt"tgvckn'wug'y kn'j gr "tgf weg" vj g"gzeguukxg'ekewrcvki "qh'xgj kengu'y kj lp"vj g"uwf {"ctgc"mqnkp"i hqt"qp/utggv'r ctnkpi 0"

"

6. Conclusion

Dcugf "qp"vj g"r tgegf kpi "cpcn{ugu"cpf "tgeqo o gpf cvkqpu."vj g"hmny kpi "eqpenwukqpu"j cxg"dgpp" o cf g<"

- Vj g"xqno g"qh"tchle"guwo cvgf "vq"dg"i gpgtcvgf "d{"vj g"r tqr qugf "f gxgnr o gpv'y kn'dg" tgf wegf "f wg"vq"vj g"r tqzko kv{ "qh"vj g"r tqr qugf "f gxgnr o gpv'vq"vj g"Txgt"Hgtguv'Ucvkqp"ht" vj g"Wpkqp'Rcehke"o"Y guv'O gvc'Ego o wgt'Tckny c{0
- Vj g"tchle"vj cv'y kn'dg"i gpgtcvgf "d{"vj g"r tqr qugf "f gxgnr o gpv'ecp"dg"ceeqo o qf cvgf "d{" vj g"ctgc"tqcf y c{"u{uvg0 0
- Rtqxf kpi "c"hmno qxgo gpv'ceegu"ftkxg"qhh"Ncvj tqr "Cxgpwg"cpf "c"hmno qxgo gpv'ceegu" ftkxg"qhh"Cuj ncpf "Cxgpwg"y kn'dg"cf gs wcvg"kp"ceeqo o qf cvkpi "vj g"tchle"r tqlgevgf "vq"dg" i gpgtcvgf "d{"vj g"r tqr qugf "f gxgnr o gpv'cpf "y kn'dg"dgpghekn'dcugf "qp"vj g"hmny kpi < "
 - Vj g"o clqtkv{ "qh'tgukf gpvkn'cpf "tgckn'i gpgtcvgf "tchle"y kn'wknk g"ftgtpv'ceegu" ftkxg."rko kkp"vj g"mqcf "gztgkpegf "cv"qpg"ukpi ng"ceegu"ftkxg"cpf "tgf wekpi "vj g" kpvtugevqp"dgvy ggp'tgckn'r cvtqpu"cpf "tgukf gpw0
 - Rtqxf kpi "r tko ct{"tgukf gpvkn'ceegu"qhh"Cuj ncpf "Cxgpwg"y kn'bo kpo k g'y g'pwo dgt" qh'xgj kengu'tcxgtulpi "vj g'tqcf y c{"ugi o gpv'qh"Ncvj tqr "Cxgpwg"dgvy ggp'Ncng'Utggy' cpf "EgptcnCxgpwg"ftkpi "vj g'r gcnj qwtu0
- Vj g'r tko ct{"ecwug"qh's wgvkpi "cpf "f gnc{u"gzr gtlgpegf "kp"vj g'uwf {"ctgc"ctg"ctguwn"qh"vj g" uwti g'kp'tchle"i gpgtcvgf "d{"vj g"vj tgg'uej qqn."vj g'gzknkpi "tchle"qr gtcvqpu."penw kpi "vj g" wug"qh'etquulpi "i wctf u'cv'Ncng'Utggy'vj kj "Cuj ncpf "Cxgpwg"cpf "vj g"j ki j "xqno g"qh'tchle" txcgtulpi "vj g'cm'y c{"uqr "uki p"eqptqmgf "kpvtugevqp"qh"Ncvj tqr "Cxgpwg"y kj "Egptcn" Cxgpwg0
- Kp"qtf gt"vq"o kpo k g'y g's wgvkpi "qh'xgj kengu"qp"Ncng'Utggy."etquulpi "i wctf u'uj qwf "rko kv" vj g'pwo dgt"qh'vko gu'tchle"ku'uqr r gf "kp"vj g'gcvdqwpf "cpf "y gcvdqwpf "f kgevkpu"qp"Ncng" Utggy'cpf "uj qwf "eqqtf kpcvg'etquulpi u'y kj "vj g'pqtvj luqwj "i tggp'r j cug"cv'vj g'kpvtugevqp" qh'Ncng'Utggy'vj kj "Ncvj tqr "Cxgpwg0
- Vj g'r tqr qugf "f gxgnr o gpv'y kn'lpetgcug"vj g"tchle"txcgtulpi "vj g'uwf {"ctgc"kpvtugevqpu" d{"cr r tqzko cvgn{"qpg'r gtegpv'qt"ngu"ftkpi "vj g'r gcnj qwtu0"
- Vj g'r tqr qugf "o kzgf/wug"ftxgnr o gpv'y kn'r tqxf g"ct"uwhlekpvp'pwo dgt"qh'r ctnkpi "ur cegu" vq"ceeqo o qf cvg"ku'r tqlgevgf "r ctnkpi "f go cpf "cpf "y kn'tgf weg"vj g'ekewcvkqp"qh'xgj kengu" kp"vj g'ctgc"d{"ewtgpvtgckn'r cvtqpu"mqnkp"ht'r ctnkpi 0"

Cr r gpf kz "

Vtchhke'Eqwpv'Uwo o ct { 'Uj ggu"
Ukg'Rncp"
EO CR"4262'Rtqlgevkqpu'Ngwgt"
Ngxgn'qh'Ugtxkcg'Etkgtkc"
Ecr cekv{ 'Cpcn{uku'Uwo o ct { 'Uj ggu"

Vtchke"Eqwpv"Uwo o ct{ "Uj ggw"



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Count Name: Lake Street with Lathrop Avenue
Site Code:
Start Date: 12/21/2017
Page No: 1

Turning Movement Data

Start Time	Lake Street Eastbound						Lake Street Westbound						Lathrop Avenue Northbound						Lathrop Avenue Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	2	71	25	0	98	0	15	71	3	0	89	0	38	30	2	0	70	0	2	31	2	2	35	292
7:15 AM	0	2	95	11	1	108	0	18	78	2	2	98	0	42	46	5	0	93	0	8	43	6	3	57	356
7:30 AM	0	5	80	22	0	107	0	23	92	2	1	117	0	48	56	16	1	120	0	10	59	4	0	73	417
7:45 AM	0	3	72	11	6	86	0	41	65	4	1	110	0	45	71	10	1	126	0	18	57	31	10	106	428
Hourly Total	0	12	318	69	7	399	0	97	306	11	4	414	0	173	203	33	2	409	0	38	190	43	15	271	1493
8:00 AM	0	6	78	16	4	100	0	44	88	7	3	139	0	22	55	19	6	96	0	25	59	24	12	108	443
8:15 AM	0	3	84	7	2	94	0	42	59	6	4	107	0	30	68	17	4	115	0	25	68	13	4	106	422
8:30 AM	0	8	73	11	5	92	0	28	89	6	2	123	0	26	37	26	3	89	0	15	55	12	5	82	386
8:45 AM	0	5	75	19	1	99	0	29	54	7	4	90	0	14	58	14	2	86	0	15	58	7	7	80	355
Hourly Total	0	22	310	53	12	385	0	143	290	26	13	459	0	92	218	76	15	386	0	80	240	56	28	376	1606
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:30 PM	0	13	81	15	0	109	0	56	84	3	0	143	0	29	56	17	2	102	0	17	62	17	2	96	450
2:45 PM	0	6	92	18	0	116	0	34	94	8	4	136	0	35	82	15	10	132	0	26	70	15	2	111	495
Hourly Total	0	19	173	33	0	225	0	90	178	11	4	279	0	64	138	32	12	234	0	43	132	32	4	207	945
3:00 PM	0	9	99	28	3	136	0	41	83	16	0	140	0	31	66	17	5	114	0	27	63	15	20	105	495
3:15 PM	0	8	86	13	3	107	0	46	106	9	2	161	0	37	77	15	0	129	0	21	60	18	9	99	496
3:30 PM	0	19	102	13	8	134	0	47	106	9	4	162	0	34	75	16	7	125	0	35	86	16	2	137	558
3:45 PM	0	9	117	28	1	154	0	48	118	7	2	173	0	25	92	14	5	131	0	24	64	24	3	112	570
Hourly Total	0	45	404	82	15	531	0	182	413	41	8	636	0	127	310	62	17	499	0	107	273	73	34	453	2119
4:00 PM	0	10	91	21	1	122	0	47	108	9	3	164	0	54	62	23	1	139	0	25	75	16	0	116	541
4:15 PM	0	7	100	22	1	129	0	40	90	7	4	137	0	31	92	17	4	140	0	26	73	10	3	109	515
4:30 PM	0	12	109	24	2	145	0	39	110	8	1	157	0	27	57	19	5	103	0	11	74	12	0	97	502
4:45 PM	0	7	100	20	2	127	0	38	95	10	1	143	0	35	69	17	5	121	0	16	82	10	2	108	499
Hourly Total	0	36	400	87	6	523	0	164	403	34	9	601	0	147	280	76	15	503	0	78	304	48	5	430	2057
5:00 PM	0	13	110	16	2	139	0	49	89	12	1	150	0	36	77	15	3	128	0	15	60	11	0	86	503
5:15 PM	0	10	111	12	0	133	0	56	103	9	3	168	0	43	84	9	1	136	0	19	60	9	1	88	525
5:30 PM	0	10	95	21	1	126	0	48	107	8	2	163	0	37	91	17	1	145	0	18	63	10	2	91	525
5:45 PM	0	9	118	23	1	150	0	44	91	8	1	143	0	37	61	12	3	110	0	13	61	8	1	82	485
Hourly Total	0	42	434	72	4	548	0	197	390	37	7	624	0	153	313	53	8	519	0	65	244	38	4	347	2038
Grand Total	0	176	2039	396	44	2611	0	873	1980	160	45	3013	0	756	1462	332	69	2550	0	411	1383	290	90	2084	10258
Approach %	0.0	6.7	78.1	15.2	-	-	0.0	29.0	65.7	5.3	-	-	0.0	29.6	57.3	13.0	-	-	0.0	19.7	66.4	13.9	-	-	-
Total %	0.0	1.7	19.9	3.9	-	25.5	0.0	8.5	19.3	1.6	-	29.4	0.0	7.4	14.3	3.2	-	24.9	0.0	4.0	13.5	2.8	-	20.3	-
Lights	0	174	1971	391	-	2536	0	868	1889	160	-	2917	0	747	1446	326	-	2519	0	409	1365	284	-	2058	10030
% Lights	-	98.9	96.7	98.7	-	97.1	-	99.4	95.4	100.0	-	96.8	-	98.8	98.9	98.2	-	98.8	-	99.5	98.7	97.9	-	98.8	97.8
Buses	0	1	27	2	-	30	0	3	39	0	-	42	0	4	4	1	-	9	0	0	7	4	-	11	92
% Buses	-	0.6	1.3	0.5	-	1.1	-	0.3	2.0	0.0	-	1.4	-	0.5	0.3	0.3	-	0.4	-	0.0	0.5	1.4	-	0.5	0.9
Single-Unit Trucks	0	1	25	2	-	28	0	1	42	0	-	43	0	2	7	4	-	13	0	2	6	1	-	9	93

% Single-Unit Trucks	-	0.6	1.2	0.5	-	1.1	-	-	0.1	2.1	0.0	-	1.4	-	0.3	0.5	1.2	-	0.5	-	0.4	0.3	-	0.4	0.9	
Articulated Trucks	0	0	10	1	-	11	-	0	0	5	0	-	5	-	0	2	1	-	5	0	2	1	-	3	24	
% Articulated Trucks	-	0.0	0.5	0.3	-	0.4	-	-	0.0	0.3	0.0	-	0.2	-	-	0.3	0.1	0.3	-	0.2	0.1	0.3	-	0.1	0.2	
Bicycles on Road	0	0	6	0	-	6	-	0	1	5	0	-	6	-	0	1	3	0	-	4	0	3	0	-	3	19
% Bicycles on Road	-	0.0	0.3	0.0	-	0.2	-	-	0.1	0.3	0.0	-	0.2	-	-	0.1	0.2	0.0	-	0.2	0.2	0.0	-	0.1	0.2	
Pedestrians	-	-	-	-	44	-	-	-	-	-	-	45	-	-	-	-	-	69	-	-	-	-	90	-	-	
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-	



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

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

Count Name: Lake Street with Lathrop Avenue
Site Code:
Start Date: 12/21/2017
Page No: 3

Turning Movement Peak Hour Data (7:30 AM)

Start Time	Lake Street Eastbound						Lake Street Westbound						Lathrop Avenue Northbound						Lathrop Avenue Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:30 AM	0	5	80	22	0	107	0	23	92	2	1	117	0	48	56	16	1	120	0	10	59	4	0	73	417
7:45 AM	0	3	72	11	6	86	0	41	65	4	1	110	0	45	71	10	1	126	0	18	57	31	10	106	428
8:00 AM	0	6	78	16	4	100	0	44	88	7	3	139	0	22	55	19	6	96	0	25	59	24	12	108	443
8:15 AM	0	3	84	7	2	94	0	42	59	6	4	107	0	30	68	17	4	115	0	25	68	13	4	106	422
Total	0	17	314	56	12	387	0	150	304	19	9	473	0	145	250	62	12	457	0	78	243	72	26	393	1710
Approach %	0.0	4.4	81.1	14.5	-	-	0.0	31.7	64.3	4.0	-	-	0.0	31.7	54.7	13.6	-	-	0.0	19.8	61.8	18.3	-	-	-
Total %	0.0	1.0	18.4	3.3	-	22.6	0.0	8.8	17.8	1.1	-	27.7	0.0	8.5	14.6	3.6	-	26.7	0.0	4.6	14.2	4.2	-	23.0	-
PHF	0.000	0.708	0.935	0.636	-	0.904	0.000	0.852	0.826	0.679	-	0.851	0.000	0.755	0.880	0.816	-	0.907	0.000	0.780	0.893	0.581	-	0.910	0.965
Lights	0	17	296	54	-	367	0	149	291	19	-	459	0	142	247	59	-	448	0	78	240	72	-	390	1664
% Lights	-	100.0	94.3	96.4	-	94.8	-	99.3	95.7	100.0	-	97.0	-	97.9	98.8	95.2	-	98.0	-	100.0	98.8	100.0	-	99.2	97.3
Buses	0	0	6	0	-	6	0	1	5	0	-	6	0	1	0	1	-	2	0	0	2	0	-	2	16
% Buses	-	0.0	1.9	0.0	-	1.6	-	0.7	1.6	0.0	-	1.3	-	0.7	0.0	1.6	-	0.4	-	0.0	0.8	0.0	-	0.5	0.9
Single-Unit Trucks	0	0	6	1	-	7	0	0	7	0	-	7	0	1	1	1	-	3	0	0	0	0	-	0	17
% Single-Unit Trucks	-	0.0	1.9	1.8	-	1.8	-	0.0	2.3	0.0	-	1.5	-	0.7	0.4	1.6	-	0.7	-	0.0	0.0	0.0	-	0.0	1.0
Articulated Trucks	0	0	4	1	-	5	0	0	1	0	-	1	0	0	1	1	-	2	0	0	0	0	-	0	8
% Articulated Trucks	-	0.0	1.3	1.8	-	1.3	-	0.0	0.3	0.0	-	0.2	-	0.0	0.4	1.6	-	0.4	-	0.0	0.0	0.0	-	0.0	0.5
Bicycles on Road	0	0	2	0	-	2	0	0	0	0	-	0	0	1	1	0	-	2	0	0	1	0	-	1	5
% Bicycles on Road	-	0.0	0.6	0.0	-	0.5	-	0.0	0.0	0.0	-	0.0	-	0.7	0.4	0.0	-	0.4	-	0.0	0.4	0.0	-	0.3	0.3
Pedestrians	-	-	-	-	12	-	-	-	-	-	9	-	-	-	-	-	-	12	-	-	-	-	26	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-



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Count Name: Lake Street with Lathrop Avenue
Site Code:
Start Date: 12/21/2017
Page No: 4

Turning Movement Peak Hour Data (3:30 PM)

Start Time	Lake Street Eastbound						Lake Street Westbound						Lathrop Avenue Northbound						Lathrop Avenue Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
3:30 PM	0	19	102	13	8	134	0	47	106	9	4	162	0	34	75	16	7	125	0	35	86	16	2	137	558
3:45 PM	0	9	117	28	1	154	0	48	118	7	2	173	0	25	92	14	5	131	0	24	64	24	3	112	570
4:00 PM	0	10	91	21	1	122	0	47	108	9	3	164	0	54	62	23	1	139	0	25	75	16	0	116	541
4:15 PM	0	7	100	22	1	129	0	40	90	7	4	137	0	31	92	17	4	140	0	26	73	10	3	109	515
Total	0	45	410	84	11	539	0	182	422	32	13	636	0	144	321	70	17	535	0	110	298	66	8	474	2184
Approach %	0.0	8.3	76.1	15.6	-	-	0.0	28.6	66.4	5.0	-	-	0.0	26.9	60.0	13.1	-	-	0.0	23.2	62.9	13.9	-	-	-
Total %	0.0	2.1	18.8	3.8	-	24.7	0.0	8.3	19.3	1.5	-	29.1	0.0	6.6	14.7	3.2	-	24.5	0.0	5.0	13.6	3.0	-	21.7	-
PHF	0.000	0.592	0.876	0.750	-	0.875	0.000	0.948	0.894	0.889	-	0.919	0.000	0.667	0.872	0.761	-	0.955	0.000	0.786	0.866	0.688	-	0.865	0.958
Lights	0	44	405	83	-	532	0	180	399	32	-	611	0	141	319	70	-	530	0	108	297	63	-	468	2141
% Lights	-	97.8	98.8	98.8	-	98.7	-	98.9	94.5	100.0	-	96.1	-	97.9	99.4	100.0	-	99.1	-	98.2	99.7	95.5	-	98.7	98.0
Buses	0	0	4	0	-	4	0	1	11	0	-	12	0	2	1	0	-	3	0	0	1	3	-	4	23
% Buses	-	0.0	1.0	0.0	-	0.7	-	0.5	2.6	0.0	-	1.9	-	1.4	0.3	0.0	-	0.6	-	0.0	0.3	4.5	-	0.8	1.1
Single-Unit Trucks	0	1	1	1	-	3	0	1	11	0	-	12	0	0	1	0	-	1	0	2	0	0	-	2	18
% Single-Unit Trucks	-	2.2	0.2	1.2	-	0.6	-	0.5	2.6	0.0	-	1.9	-	0.0	0.3	0.0	-	0.2	-	1.8	0.0	0.0	-	0.4	0.8
Articulated Trucks	0	0	0	0	-	0	0	0	1	0	-	1	0	1	0	0	-	1	0	0	0	0	-	0	2
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.2	0.0	-	0.2	-	0.7	0.0	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	0.1
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0
Pedestrians	-	-	-	-	11	-	-	-	-	-	13	-	-	-	-	-	-	17	-	-	-	-	8	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-



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

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Count Name: Lake Street with Ashland Avenue
Site Code:
Start Date: 12/21/2017
Page No: 1

Turning Movement Data

Start Time	Lake Street Eastbound						Lake Street Westbound						Ashland Avenue Northbound						Ashland Avenue Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	3	94	2	0	99	0	2	103	2	0	107	0	3	0	1	1	4	0	0	4	1	0	5	215
7:15 AM	0	3	109	4	0	116	0	2	116	5	0	123	0	2	3	0	1	5	0	0	6	1	2	7	251
7:30 AM	0	4	115	4	2	123	0	0	133	9	0	142	0	0	3	4	1	7	0	0	1	0	4	1	273
7:45 AM	0	27	81	6	0	114	0	3	93	42	13	138	0	4	5	6	1	15	0	1	1	0	8	2	269
Hourly Total	0	37	399	16	2	452	0	7	445	58	13	510	0	9	11	11	4	31	0	1	12	2	14	15	1008
8:00 AM	0	32	86	4	2	122	0	3	91	44	41	138	0	4	31	12	5	47	0	0	0	0	23	0	307
8:15 AM	0	18	94	8	1	120	0	4	94	5	1	103	0	0	4	3	2	7	0	0	0	0	5	0	230
8:30 AM	0	7	86	6	1	99	0	5	107	11	1	123	0	2	4	4	4	10	0	0	0	1	2	1	233
8:45 AM	0	10	91	6	0	107	0	4	74	3	2	81	0	1	3	6	3	10	0	0	0	0	4	0	198
Hourly Total	0	67	357	24	4	448	0	16	366	63	45	445	0	7	42	25	14	74	0	0	0	1	34	1	968
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:30 PM	0	11	95	7	0	113	0	5	96	26	0	127	0	2	3	7	2	12	0	0	0	0	2	0	252
2:45 PM	0	20	117	10	0	147	0	3	111	31	20	145	0	0	3	7	15	10	0	0	0	0	9	0	302
Hourly Total	0	31	212	17	0	260	0	8	207	57	20	272	0	2	6	14	17	22	0	0	0	0	11	0	554
3:00 PM	0	16	115	4	0	135	0	8	107	16	33	131	0	8	8	7	22	23	0	0	0	1	40	1	290
3:15 PM	0	23	111	5	2	139	0	16	130	12	5	158	0	1	3	3	5	7	0	0	1	0	8	1	305
3:30 PM	0	11	127	8	0	146	0	9	141	12	12	162	0	1	1	11	5	13	0	0	2	1	5	3	324
3:45 PM	0	8	144	6	2	158	0	11	141	10	0	162	0	1	5	6	7	12	0	1	3	4	2	8	340
Hourly Total	0	58	497	23	4	578	0	44	519	50	50	613	0	11	17	27	39	55	0	1	6	6	55	13	1259
4:00 PM	0	8	118	12	0	138	0	9	162	8	3	179	0	1	6	8	3	15	0	0	1	1	1	2	334
4:15 PM	0	7	130	10	1	147	0	8	116	10	3	134	0	2	3	3	4	8	0	2	7	6	1	15	304
4:30 PM	0	4	121	11	0	136	0	11	134	3	1	148	0	1	2	14	3	17	0	0	4	0	3	4	305
4:45 PM	0	7	126	12	2	145	0	6	131	7	4	144	0	1	0	2	4	3	0	0	9	5	0	14	306
Hourly Total	0	26	495	45	3	566	0	34	543	28	11	605	0	5	11	27	14	43	0	2	21	12	5	35	1249
5:00 PM	0	9	131	7	4	147	0	5	118	4	2	127	0	2	4	5	5	11	0	1	4	5	1	10	295
5:15 PM	0	10	136	10	0	156	0	5	145	11	0	161	0	0	2	5	2	7	0	0	8	8	0	16	340
5:30 PM	0	7	118	14	1	139	0	7	139	5	1	151	0	2	8	3	2	13	0	2	6	3	1	11	314
5:45 PM	0	6	140	4	0	150	0	7	128	7	0	142	0	1	2	3	0	6	0	0	5	2	0	7	305
Hourly Total	0	32	525	35	5	592	0	24	530	27	3	581	0	5	16	16	9	37	0	3	23	18	2	44	1254
Grand Total	0	251	2485	160	18	2896	0	133	2610	283	142	3026	0	39	103	120	97	262	0	7	62	39	121	108	6292
Approach %	0.0	8.7	85.8	5.5	-	-	0.0	4.4	86.3	9.4	-	-	0.0	14.9	39.3	45.8	-	-	0.0	6.5	57.4	36.1	-	-	-
Total %	0.0	4.0	39.5	2.5	-	46.0	0.0	2.1	41.5	4.5	-	48.1	0.0	0.6	1.6	1.9	-	4.2	0.0	0.1	1.0	0.6	-	1.7	-
Lights	0	250	2409	157	-	2816	0	132	2503	280	-	2915	0	37	101	118	-	256	0	6	61	38	-	105	6092
% Lights	-	99.6	96.9	98.1	-	97.2	-	99.2	95.9	98.9	-	96.3	-	94.9	98.1	98.3	-	97.7	-	85.7	98.4	97.4	-	97.2	96.8
Buses	0	0	31	0	-	31	0	0	45	1	-	46	0	0	0	0	-	0	0	0	0	1	-	1	78
% Buses	-	0.0	1.2	0.0	-	1.1	-	0.0	1.7	0.4	-	1.5	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	2.6	-	0.9	1.2
Single-Unit Trucks	0	1	31	1	-	33	0	1	52	2	-	55	0	2	2	2	-	6	0	0	1	0	-	1	95

% Single-Unit Trucks	-	0.4	1.2	0.6	-	1.1	-	0.8	2.0	0.7	-	1.8	-	5.1	1.9	1.7	-	2.3	-	0.0	1.6	0.0	-	0.9	1.5
Articulated Trucks	0	0	10	1	-	11	0	0	5	0	-	5	0	0	0	0	-	0	0	0	0	0	-	0	16
% Articulated Trucks	-	0.0	0.4	0.6	-	0.4	-	0.0	0.2	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.3
Bicycles on Road	0	0	4	1	-	5	0	0	5	0	-	5	0	0	0	0	-	0	0	1	0	0	-	1	11
% Bicycles on Road	-	0.0	0.2	0.6	-	0.2	-	0.0	0.2	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	-	14.3	0.0	0.0	-	0.9	0.2
Pedestrians	-	-	-	-	18	-	-	-	-	-	142	-	-	-	-	-	97	-	-	-	-	-	121	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-



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

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

Count Name: Lake Street with Ashland Avenue
Site Code:
Start Date: 12/21/2017
Page No: 3

Turning Movement Peak Hour Data (7:30 AM)

Start Time	Lake Street Eastbound						Lake Street Westbound						Ashland Avenue Northbound						Ashland Avenue Southbound						Int. Total
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
7:30 AM	0	4	115	4	2	123	0	0	133	9	0	142	0	0	3	4	1	7	0	0	1	0	4	1	273
7:45 AM	0	27	81	6	0	114	0	3	93	42	13	138	0	4	5	6	1	15	0	1	1	0	8	2	269
8:00 AM	0	32	86	4	2	122	0	3	91	44	41	138	0	4	31	12	5	47	0	0	0	0	23	0	307
8:15 AM	0	18	94	8	1	120	0	4	94	5	1	103	0	0	4	3	2	7	0	0	0	0	5	0	230
Total	0	81	376	22	5	479	0	10	411	100	55	521	0	8	43	25	9	76	0	1	2	0	40	3	1079
Approach %	0.0	16.9	78.5	4.6	-	-	0.0	1.9	78.9	19.2	-	-	0.0	10.5	56.6	32.9	-	-	0.0	33.3	66.7	0.0	-	-	-
Total %	0.0	7.5	34.8	2.0	-	44.4	0.0	0.9	38.1	9.3	-	48.3	0.0	0.7	4.0	2.3	-	7.0	0.0	0.1	0.2	0.0	-	0.3	-
PHF	0.000	0.633	0.817	0.688	-	0.974	0.000	0.625	0.773	0.568	-	0.917	0.000	0.500	0.347	0.521	-	0.404	0.000	0.250	0.500	0.000	-	0.375	0.879
Lights	0	81	356	22	-	459	0	10	395	100	-	505	0	7	42	25	-	74	0	0	2	0	-	2	1040
% Lights	-	100.0	94.7	100.0	-	95.8	-	100.0	96.1	100.0	-	96.9	-	87.5	97.7	100.0	-	97.4	-	0.0	100.0	-	-	66.7	96.4
Buses	0	0	5	0	-	5	0	0	6	0	-	6	0	0	0	0	-	0	0	0	0	0	-	0	11
% Buses	-	0.0	1.3	0.0	-	1.0	-	0.0	1.5	0.0	-	1.2	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	-	0.0	1.0
Single-Unit Trucks	0	0	10	0	-	10	0	0	8	0	-	8	0	1	1	0	-	2	0	0	0	0	-	0	20
% Single-Unit Trucks	-	0.0	2.7	0.0	-	2.1	-	0.0	1.9	0.0	-	1.5	-	12.5	2.3	0.0	-	2.6	-	0.0	0.0	-	-	0.0	1.9
Articulated Trucks	0	0	5	0	-	5	0	0	1	0	-	1	0	0	0	0	-	0	0	0	0	0	-	0	6
% Articulated Trucks	-	0.0	1.3	0.0	-	1.0	-	0.0	0.2	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	-	0.0	0.6
Bicycles on Road	0	0	0	0	-	0	0	0	1	0	-	1	0	0	0	0	-	0	0	1	0	0	-	1	2
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	0.2	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	-	100.0	0.0	-	-	33.3	0.2
Pedestrians	-	-	-	-	5	-	-	-	-	-	55	-	-	-	-	-	9	-	-	-	-	-	40	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-



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Count Name: Lake Street with Ashland Avenue
Site Code:
Start Date: 12/21/2017
Page No: 4

Turning Movement Peak Hour Data (3:30 PM)

Start Time	Lake Street Eastbound						Lake Street Westbound						Ashland Avenue Northbound						Ashland Avenue Southbound						Int. Total
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
3:30 PM	0	11	127	8	0	146	0	9	141	12	12	162	0	1	1	11	5	13	0	0	2	1	5	3	324
3:45 PM	0	8	144	6	2	158	0	11	141	10	0	162	0	1	5	6	7	12	0	1	3	4	2	8	340
4:00 PM	0	8	118	12	0	138	0	9	162	8	3	179	0	1	6	8	3	15	0	0	1	1	1	2	334
4:15 PM	0	7	130	10	1	147	0	8	116	10	3	134	0	2	3	3	4	8	0	2	7	6	1	15	304
Total	0	34	519	36	3	589	0	37	560	40	18	637	0	5	15	28	19	48	0	3	13	12	9	28	1302
Approach %	0.0	5.8	88.1	6.1	-	-	0.0	5.8	87.9	6.3	-	-	0.0	10.4	31.3	58.3	-	-	0.0	10.7	46.4	42.9	-	-	-
Total %	0.0	2.6	39.9	2.8	-	45.2	0.0	2.8	43.0	3.1	-	48.9	0.0	0.4	1.2	2.2	-	3.7	0.0	0.2	1.0	0.9	-	2.2	-
PHF	0.000	0.773	0.901	0.750	-	0.932	0.000	0.841	0.864	0.833	-	0.890	0.000	0.625	0.625	0.636	-	0.800	0.000	0.375	0.464	0.500	-	0.467	0.957
Lights	0	33	511	35	-	579	0	37	528	39	-	604	0	5	15	27	-	47	0	3	13	12	-	28	1258
% Lights	-	97.1	98.5	97.2	-	98.3	-	100.0	94.3	97.5	-	94.8	-	100.0	100.0	96.4	-	97.9	-	100.0	100.0	100.0	-	100.0	96.6
Buses	0	0	4	0	-	4	0	0	15	1	-	16	0	0	0	0	-	0	0	0	0	0	-	0	20
% Buses	-	0.0	0.8	0.0	-	0.7	-	0.0	2.7	2.5	-	2.5	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	1.5
Single-Unit Trucks	0	1	3	0	-	4	0	0	15	0	-	15	0	0	0	1	-	1	0	0	0	0	-	0	20
% Single-Unit Trucks	-	2.9	0.6	0.0	-	0.7	-	0.0	2.7	0.0	-	2.4	-	0.0	0.0	3.6	-	2.1	-	0.0	0.0	0.0	-	0.0	1.5
Articulated Trucks	0	0	0	0	-	0	0	0	2	0	-	2	0	0	0	0	-	0	0	0	0	0	-	0	2
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.4	0.0	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.2
Bicycles on Road	0	0	1	1	-	2	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	2
% Bicycles on Road	-	0.0	0.2	2.8	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.2
Pedestrians	-	-	-	-	3	-	-	-	-	-	18	-	-	-	-	-	19	-	-	-	-	-	9	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-



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

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

Count Name: Lathrop Avenue with Central
Avenue
Site Code:
Start Date: 12/21/2017
Page No: 1

Turning Movement Data

Start Time	Central Avenue Eastbound						Central Avenue Westbound						Lathrop Avenue Northbound						Lathrop Avenue Southbound					
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total
7:00 AM	0	1	14	2	1	17	0	15	0	2	0	17	0	1	69	26	0	96	0	3	69	1	1	73
7:15 AM	0	1	19	7	1	27	0	17	4	2	2	23	0	0	89	29	0	118	0	0	71	1	0	72
7:30 AM	0	4	19	3	1	26	0	20	5	2	1	27	0	4	114	46	0	164	0	1	94	4	0	99
7:45 AM	0	2	28	4	0	34	0	21	7	2	3	30	0	8	119	51	0	178	0	9	93	2	3	104
Hourly Total	0	8	80	16	3	104	0	73	16	8	6	97	0	13	391	152	0	556	0	13	327	8	4	348
8:00 AM	0	12	69	6	3	87	0	21	13	4	3	38	0	10	93	57	0	160	0	5	99	12	1	116
8:15 AM	0	4	31	6	1	41	0	21	12	6	4	39	0	9	91	46	0	146	0	4	113	7	0	124
8:30 AM	0	0	18	6	1	24	0	28	10	6	3	44	0	3	89	41	0	133	0	4	95	3	1	102
8:45 AM	0	3	25	3	0	31	0	22	3	4	2	29	0	6	81	46	0	133	0	9	93	3	1	105
Hourly Total	0	19	143	21	5	183	0	92	38	20	12	150	0	28	354	190	0	572	0	22	400	25	3	447
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:30 PM	0	1	16	1	2	18	0	30	5	8	4	43	0	3	106	64	0	173	0	8	115	4	3	127
2:45 PM	0	3	25	8	1	36	0	31	10	8	2	49	0	9	115	65	0	189	0	5	113	5	1	123
Hourly Total	0	4	41	9	3	54	0	61	15	16	6	92	0	12	221	129	0	362	0	13	228	9	4	250
3:00 PM	0	6	26	10	3	42	0	36	10	12	6	58	0	9	103	70	0	182	0	1	130	4	2	135
3:15 PM	0	4	34	8	1	46	0	53	5	7	5	65	0	4	124	59	0	187	0	4	124	1	1	129
3:30 PM	0	4	28	15	4	47	0	47	13	17	3	77	0	7	104	54	0	165	0	5	124	7	2	136
3:45 PM	0	1	33	5	0	39	0	42	4	15	10	61	0	8	123	64	0	195	0	2	133	0	2	135
Hourly Total	0	15	121	38	8	174	0	178	32	51	24	261	0	28	454	247	0	729	0	12	511	12	7	535
4:00 PM	0	0	35	11	3	46	0	38	7	12	7	57	0	4	128	64	0	196	0	4	131	2	4	137
4:15 PM	0	6	44	9	2	59	0	42	7	13	6	62	0	4	117	65	0	186	0	4	117	7	9	128
4:30 PM	0	7	31	16	4	54	0	45	10	11	6	66	0	8	93	60	0	161	0	5	121	9	2	135
4:45 PM	0	2	45	20	0	67	0	35	3	12	1	50	0	7	99	65	0	171	0	6	124	5	1	135
Hourly Total	0	15	155	56	9	226	0	160	27	48	20	235	0	23	437	254	0	714	0	19	493	23	16	535
5:00 PM	0	7	29	10	2	46	0	49	6	11	2	66	0	8	116	41	0	165	0	4	119	2	3	125
5:15 PM	0	9	35	15	0	59	0	41	6	13	2	60	0	3	112	70	0	185	0	10	115	1	1	126
5:30 PM	0	3	35	18	0	56	0	41	7	12	6	60	0	3	125	53	2	181	0	1	125	4	3	130
5:45 PM	0	5	37	3	1	45	0	42	6	11	2	59	0	1	102	54	0	157	0	3	133	0	7	136
Hourly Total	0	24	136	46	3	206	0	173	25	47	12	245	0	15	455	218	2	688	0	18	492	7	14	517
Grand Total	0	85	676	186	31	947	0	737	153	190	80	1080	0	119	2312	1190	2	3621	0	97	2451	84	48	2632
Approach %	0.0	9.0	71.4	19.6	-	-	0.0	68.2	14.2	17.6	-	-	0.0	3.3	63.8	32.9	-	-	0.0	3.7	93.1	3.2	-	-
Total %	0.0	1.0	8.2	2.2	-	11.4	0.0	8.9	1.8	2.3	-	13.0	0.0	1.4	27.9	14.4	-	43.7	0.0	1.2	29.6	1.0	-	31.8
Lights	0	84	670	185	-	939	0	735	150	189	-	1074	0	118	2283	1180	-	3581	0	95	2425	84	-	2604
% Lights	-	98.8	99.1	99.5	-	99.2	-	99.7	98.0	99.5	-	99.4	-	99.2	98.7	99.2	-	98.9	-	97.9	98.9	100.0	-	98.9
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	9	2	-	11	0	0	11	0	-	11
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.4	0.2	-	0.3	-	0.0	0.4	0.0	-	0.4
Single-Unit Trucks	0	0	2	1	-	3	0	2	3	0	-	5	0	1	16	4	-	21	0	1	11	0	-	12

% Single-Unit Trucks	-	0.0	0.3	0.5	-	0.3	-	0.3	-	0.5	-	0.8	0.7	0.3	-	0.6	-	1.0	0.4	0.0	-	0.5
Articulated Trucks	0	0	0	0	-	0	0	0	0	1	-	0	0	1	0	1	-	0	1	2	0	3
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.5	-	0.1	-	0.0	0.0	0.0	-	0.0	-	1.0	0.1	0.0	-
Bicycles on Road	0	1	4	0	-	5	0	0	0	0	-	0	0	3	4	7	-	0	0	2	0	2
% Bicycles on Road	-	1.2	0.6	0.0	-	0.5	-	0.0	0.0	0.0	-	0.0	0.1	0.3	-	0.2	-	-	0.0	0.1	0.0	-
Pedestrians	-	-	-	-	31	-	-	-	-	80	-	-	-	-	2	-	-	-	-	-	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	-	-	-



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

[illegible]



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Turning Movement Peak Hour Data (3:30 PM)

[illegible]



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

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

Count Name: Ashland Avenue with Central
Avenue
Site Code:
Start Date: 12/21/2017
Page No: 1

Turning Movement Data

Start Time	Central Avenue Eastbound						Central Avenue Westbound						Ashland Avenue Northbound						Ashland Avenue Southbound								
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total		
7:00 AM	0	0	8	0	0	8	0	0	3	0	1	3	0	0	3	6	0	9	0	2	4	3	1	9	29		
7:15 AM	0	0	11	1	0	12	0	0	4	0	0	4	0	1	5	7	0	13	0	7	5	0	0	12	41		
7:30 AM	0	0	16	1	0	17	0	3	9	1	0	13	0	3	7	6	0	16	0	2	2	0	0	4	50		
7:45 AM	0	3	23	0	1	26	0	1	9	5	0	15	0	1	11	7	0	19	0	7	4	0	1	11	71		
Hourly Total	0	3	58	2	1	63	0	4	25	6	1	35	0	5	26	26	0	57	0	18	15	3	2	36	191		
8:00 AM	0	6	48	1	0	55	0	8	21	10	3	39	0	4	31	30	0	65	0	8	8	3	2	19	178		
8:15 AM	0	1	25	2	0	28	0	5	19	4	0	28	0	4	9	8	0	21	0	5	9	0	0	14	91		
8:30 AM	0	0	11	0	2	11	0	3	11	4	0	18	0	1	9	8	0	18	0	3	4	1	1	8	55		
8:45 AM	0	2	23	0	1	25	0	0	4	6	0	10	0	4	6	8	0	18	0	0	4	6	2	10	63		
Hourly Total	0	9	107	3	3	119	0	16	55	24	3	95	0	13	55	54	0	122	0	16	25	10	5	51	387		
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2:30 PM	0	0	14	1	1	15	0	2	6	4	1	12	0	1	8	5	0	14	1	2	7	2	0	12	53		
2:45 PM	0	1	21	0	0	22	0	1	16	5	2	22	0	1	13	5	0	19	0	7	7	1	0	15	78		
Hourly Total	0	1	35	1	1	37	0	3	22	9	3	34	0	2	21	10	0	33	1	9	14	3	0	27	131		
3:00 PM	0	0	25	1	0	26	0	4	13	4	1	21	0	3	9	9	0	21	0	7	9	3	1	19	87		
3:15 PM	0	0	33	3	2	36	0	3	5	1	0	9	0	3	6	6	0	15	0	5	12	2	4	19	79		
3:30 PM	0	2	36	2	0	40	0	2	16	7	13	25	0	0	9	7	0	16	0	7	11	4	1	22	103		
3:45 PM	0	0	24	0	1	24	0	0	10	3	0	13	0	2	8	5	0	15	0	7	11	1	1	19	71		
Hourly Total	0	2	118	6	3	126	0	9	44	15	14	68	0	8	32	27	0	67	0	26	43	10	7	79	340		
4:00 PM	0	4	20	0	1	24	0	3	4	6	0	13	0	0	8	9	0	17	0	13	11	0	1	24	78		
4:15 PM	0	0	35	1	2	36	0	3	13	3	0	19	0	1	5	9	0	15	0	14	11	1	1	26	96		
4:30 PM	0	0	36	0	0	36	0	1	13	11	1	25	0	2	8	9	0	19	0	7	17	1	3	25	105		
4:45 PM	0	0	36	3	0	39	0	8	5	2	2	15	0	1	0	19	0	20	0	14	13	1	2	28	102		
Hourly Total	0	4	127	4	3	135	0	15	35	22	3	72	0	4	21	46	0	71	0	48	52	3	7	103	381		
5:00 PM	0	0	27	3	3	30	0	3	11	4	0	18	0	0	9	5	0	14	0	14	8	1	4	23	85		
5:15 PM	0	0	35	1	0	36	0	4	7	2	0	13	0	2	7	14	0	23	0	14	11	1	0	26	98		
5:30 PM	0	2	34	1	0	37	0	4	6	3	2	13	0	1	11	7	0	19	0	12	15	0	1	27	96		
5:45 PM	0	0	21	0	1	21	0	5	2	0	0	7	0	1	5	15	0	21	0	9	7	1	3	17	66		
Hourly Total	0	2	117	5	4	124	0	16	26	9	2	51	0	4	32	41	0	77	0	49	41	3	8	93	345		
Grand Total	0	21	562	21	15	604	0	63	207	85	26	355	0	36	187	204	0	427	1	166	190	32	29	389	1775		
Approach %	0.0	3.5	93.0	3.5	-	-	0.0	17.7	58.3	23.9	-	-	-	0.0	8.4	43.8	47.8	-	-	0.3	42.7	48.8	8.2	-	-	-	
Total %	0.0	1.2	31.7	1.2	-	34.0	0.0	3.5	11.7	4.8	-	20.0	0.0	2.0	10.5	11.5	-	24.1	0.1	9.4	10.7	1.8	-	-	21.9	-	
Lights	0	21	559	20	-	600	0	63	204	84	-	351	0	35	184	204	-	423	1	163	188	31	-	-	383	1757	
% Lights	-	100.0	99.5	95.2	-	99.3	-	100.0	98.6	98.8	-	98.9	-	-	97.2	98.4	100.0	-	99.1	100.0	98.2	98.9	96.9	-	-	98.5	99.0
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	
% Buses	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	
Single-Unit Trucks	0	0	1	1	-	2	0	0	3	1	-	4	0	0	1	2	0	-	3	0	2	1	1	-	4	13	

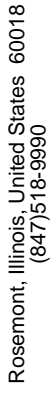
% Single-Unit Trucks	-	0.0	0.2	4.8	-	0.3	-	0.0	1.4	1.2	-	1.1	-	2.8	1.1	0.0	-	0.7	0.0	1.2	0.5	3.1	-	1.0	0.7
Articulated Trucks	0	0	0	0	-	0	-	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% Articulated Trucks	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0
Bicycles on Road	0	0	2	0	-	2	-	0	0	0	-	0	0	0	1	0	-	1	0	1	1	0	-	2	5
% Bicycles on Road	-	0.0	0.4	0.0	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	0.5	0.0	-	0.2	0.0	0.6	0.5	0.0	-	0.5	0.3
Pedestrians	-	-	-	-	15	-	26	-	-	-	0	-	-	-	-	-	-	-	-	-	-	29	-	-	-
% Pedestrians	-	-	-	-	100.0	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-



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

Turning Movement Peak Hour Data (7:30 AM)

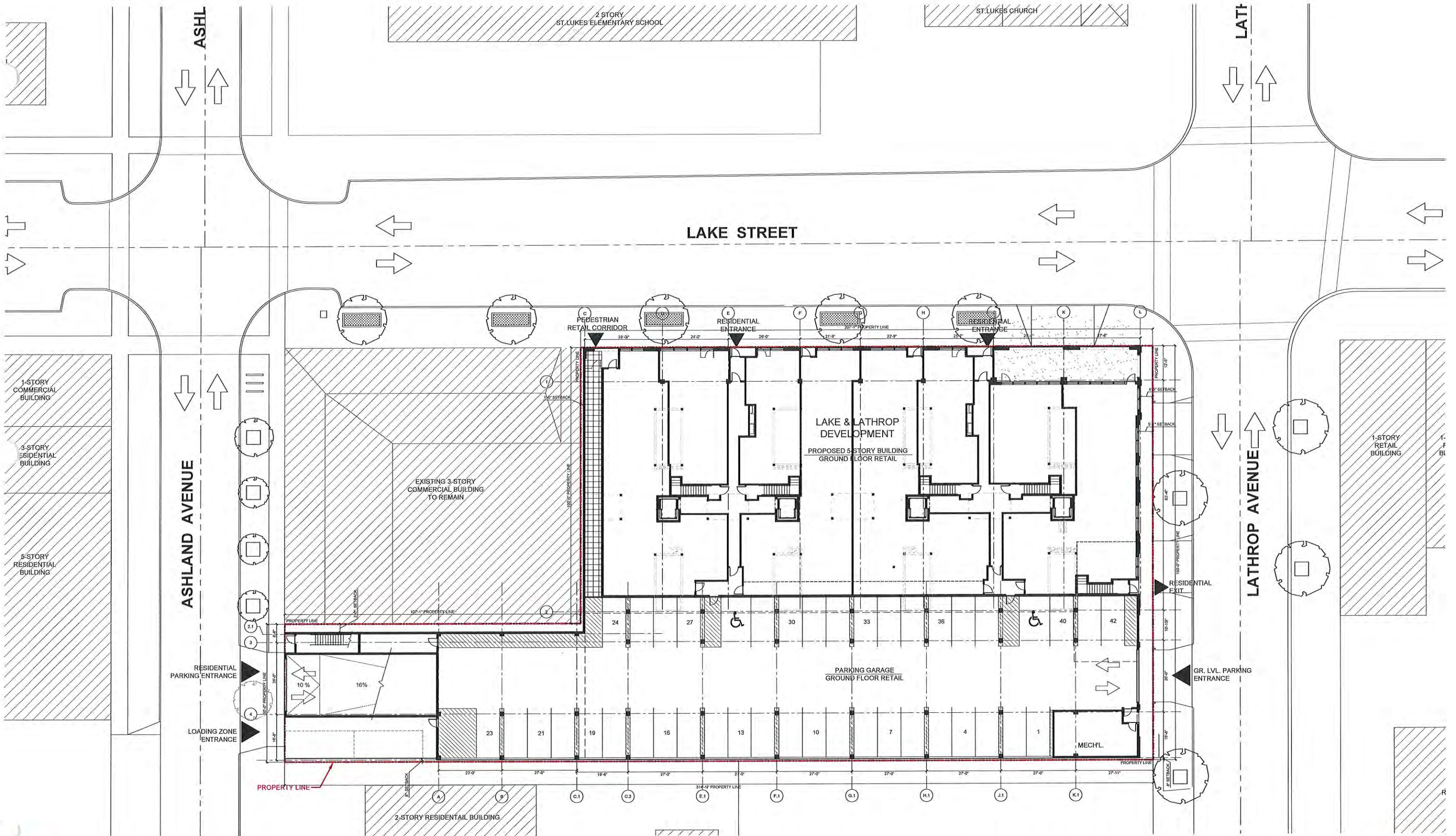
[illegible]



Turning Movement Peak Hour Data (3:30 PM)

[illegible]

Site Plan



CMAP 2040 Projections Letter



Chicago Metropolitan Agency for Planning

233 South Wacker Drive
Suite 800
Chicago, Illinois 60606

312 454 0400
www.cmap.illinois.gov

January 11, 2018

Brendan S. May
Consultant
Kenig, Lindgren, O'Hara and Aboona, Inc.
9575 West Higgins Road
Suite 400
Rosemont, IL 60018

Subject: Lake Street @ Lathrop Avenue
IDOT

Dear Mr. May:

In response to a request made on your behalf and dated January 11, 2018, we have developed year 2040 average daily traffic (ADT) projections for the subject location.

ROAD SEGMENT	Current ADT	Year 2040 ADT
Lake Street, @ Lathrop Avenue	9,000	9,900
Lathrop Avenue, @ Lake Street	3,550	4,400

Traffic projections are developed using existing ADT data provided in the request letter and the results from the October 2017 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2040 socioeconomic projections and assumes the implementation of the GO TO 2040 Comprehensive Regional Plan for the Northeastern Illinois area.

If you have any questions, please call me at (312) 386-8806.

Sincerely,

Jose Rodriguez, PTP, AICP
Senior Planner, Research & Analysis

cc: Quigley (IDOT)
S:\AdminGroups\ResearchAnalysis\2018cy_TrafficForecasts\RiverForest\ck-03-18\ck-03-18.docx

Level of Service Criteria

LEVEL OF SERVICE CRITERIA

Signalized Intersections		
Level of Service	Interpretation	Average Control Delay (seconds per vehicle)
A	Favorable progression. Most vehicles arrive during the green indication and travel through the intersection without stopping.	≤10
B	Good progression, with more vehicles stopping than for Level of Service A.	>10 - 20
C	Individual cycle failures (i.e., one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear. Number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.	>20 - 35
D	The volume-to-capacity ratio is high and either progression is ineffective or the cycle length is too long. Many vehicles stop and individual cycle failures are noticeable.	>35 - 55
E	Progression is unfavorable. The volume-to-capacity ratio is high and the cycle length is long. Individual cycle failures are frequent.	>55 - 80
F	The volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.	>80.0
Unsignalized Intersections		
Level of Service	Average Total Delay (SEC/VEH)	
A	0 - 10	
B	> 10 - 15	
C	> 15 - 25	
D	> 25 - 35	
E	> 35 - 50	
F	> 50	























Source: *Highway Capacity Manual*, 2010.

Capacity Analysis Summary Sheets

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street













01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	17	329	56	150	304	19	145	250	62	78	243	72
Future Volume (vph)	17	329	56	150	304	19	145	250	62	78	243	72
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)	0%				0%				0%			
Storage Length (ft)	100			50	75			25	80	0	80	0
Storage Lanes	1			1	1			1	1	0	1	0
Taper Length (ft)	105			90			50			90		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850				0.850		0.970		0.966	
Flt Protected	0.950			0.950				0.950				0.950
Satd. Flow (prot)	1805	1613	1528	1787	1644	1589	1770	1629	0	1805	1821	0
Flt Permitted	0.570			0.369				0.310				0.433
Satd. Flow (perm)	1083	1613	1528	694	1644	1589	577	1629	0	823	1821	0
Right Turn on Red			No				No				No	
Satd. Flow (RTOR)												
Link Speed (mph)	30				30		25				25	
Link Distance (ft)	364				246		471				191	
Travel Time (s)	8.3				5.6		12.8				5.2	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	6%	4%	1%	4%	0%	2%	1%	5%	0%	1%	0%
Bus Blockages (#/hr)	0	0	4	0	0	4	0	0	0	0	0	0
Parking (#/hr)	0				0		0				0	
Mid-Block Traffic (%)	0%				0%		0%				0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	18	339	58	155	313	20	149	322	0	80	325	0
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA		pm+pt	NA	
Protected Phases	5	2	1		6	3		8	7		4	
Permitted Phases	2	2		6	6		8	4				
Detector Phase	5	2	2	1	6	6	3	8	7		4	
Switch Phase												
Minimum Initial (s)	3.0	3.0	3.0	3.0	15.0	15.0	3.0	8.0	3.0		8.0	
Minimum Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0	14.0		42.0	
Total Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0	14.0		42.0	
Total Split (%)	11.7%	41.7%	41.7%	11.7%	41.7%	41.7%	11.7%	35.0%	11.7%		35.0%	
Yellow Time (s)	3.5	4.5	4.5	3.5	4.5	4.5	3.5	4.5	3.5		4.5	
All-Red Time (s)	0.0	1.5	1.5	0.0	1.5	1.5	0.0	1.5	0.0		1.5	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
Total Lost Time (s)	3.5	6.0	6.0	3.5	6.0	6.0	3.5	6.0	3.5		6.0	
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead		Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	
Recall Mode	None	Min	Min	None	Min	Min	None	None	None		None	
Act Effect Green (s)	38.5	29.6	29.6	45.3	39.4	39.4	37.6	27.4	34.4		23.5	
Actuated g/C Ratio	0.42	0.32	0.32	0.49	0.43	0.43	0.41	0.30	0.37		0.26	

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street

01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.04	0.65	0.12	0.34	0.45	0.03	0.42	0.66		0.20	0.70	
Control Delay	14.3	34.5	24.4	16.3	23.7	20.0	21.9	39.0		19.2	41.2	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	14.3	34.5	24.4	16.3	23.7	20.0	21.9	39.0		19.2	41.2	
LOS	B	C	C	B	C	B	C	D		B	D	
Approach Delay		32.2			21.2			33.6			36.8	
Approach LOS		C			C			C			D	
Queue Length 50th (ft)	5	167	24	47	114	6	53	169		27	173	
Queue Length 95th (ft)	19	308	60	103	265	26	115	322		67	313	
Internal Link Dist (ft)		284			166			391			111	
Turn Bay Length (ft)	100		50	75		25	80			80		
Base Capacity (vph)	595	810	768	473	835	807	381	670		449	749	
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Reduced v/c Ratio	0.03	0.42	0.08	0.33	0.37	0.02	0.39	0.48		0.18	0.43	

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 92

Natural Cycle: 120

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 30.6









Intersection LOS: C

Intersection Capacity Utilization 67.5%

ICU Level of Service C

Analysis Period (min) 15























Splits and Phases: 1: Lathrop Avenue & Lake Street

 Ø1	 Ø2	 Ø3	 Ø4
14 s	50 s	14 s	42 s
 Ø5	 Ø6	 Ø7	 Ø8
14 s	50 s	14 s	42 s

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street













01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	45	421	84	182	427	32	144	321	70	110	298	66
Future Volume (vph)	45	421	84	182	427	32	144	321	70	110	298	66
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	100		50	75		25	0		0	80		0
Storage Lanes	1		1	1		1	1		0	1		0
Taper Length (ft)	105			90			0			90		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850		0.973			0.973	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1693	1573	1787	1613	1589	1770	1834	0	1770	1817	0
Flt Permitted	0.367			0.268			0.262			0.233		
Satd. Flow (perm)	684	1693	1573	504	1613	1589	488	1834	0	434	1817	0
Right Turn on Red			No			No			No			No
Satd. Flow (RTOR)												
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		364			246			471			191	
Travel Time (s)		8.3			5.6			12.8			5.2	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	1%	1%	1%	6%	0%	2%	1%	0%	2%	1%	5%
Bus Blockages (#/hr)	0	0	4	0	0	4	0	0	0	0	0	0
Parking (#/hr)		0			0							
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	47	439	88	190	445	33	150	407	0	115	379	0
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2		2	6		6	8			4		
Detector Phase	5	2	2	1	6	6	3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0	15.0	3.0	15.0	15.0	3.0	8.0		3.0	8.0	
Minimum Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (%)	11.7%	41.7%	41.7%	11.7%	41.7%	41.7%	11.7%	35.0%		11.7%	35.0%	
Yellow Time (s)	3.5	4.5	4.5	3.5	4.5	4.5	3.5	4.5		3.5	4.5	
All-Red Time (s)	0.0	1.5	1.5	0.0	1.5	1.5	0.0	1.5		0.0	1.5	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.5	6.0	6.0	3.5	6.0	6.0	3.5	6.0		3.5	6.0	
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	
Recall Mode	None	Min	Min	None	Min	Min	None	Min		None	Min	
Act Effect Green (s)	45.6	35.9	35.9	51.7	41.3	41.3	40.7	28.4		40.0	28.1	
Actuated g/C Ratio	0.44	0.35	0.35	0.50	0.40	0.40	0.39	0.27		0.39	0.27	

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street

01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.12	0.75	0.16	0.51	0.69	0.05	0.48	0.81		0.40	0.77	
Control Delay	15.5	39.5	25.7	20.3	34.8	22.8	25.3	49.3		23.9	47.0	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	15.5	39.5	25.7	20.3	34.8	22.8	25.3	49.3		23.9	47.0	
LOS	B	D	C	C	C	C	C	D		C	D	
Approach Delay		35.4			30.1			42.9			41.6	
Approach LOS		D			C			D			D	
Queue Length 50th (ft)	16	266	42	71	261	14	65	265		49	244	
Queue Length 95th (ft)	39	412	84	125	420	38	115	404		91	373	
Internal Link Dist (ft)		284			166			391			111	
Turn Bay Length (ft)	100		50	75		25				80		
Base Capacity (vph)	441	746	693	387	723	712	332	662		315	656	
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Reduced v/c Ratio	0.11	0.59	0.13	0.49	0.62	0.05	0.45	0.61		0.37	0.58	

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 103.3

Natural Cycle: 120

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.81

Intersection Signal Delay: 37.0









Intersection LOS: D

Intersection Capacity Utilization 76.6%

ICU Level of Service D

Analysis Period (min) 15























Splits and Phases: 1: Lathrop Avenue & Lake Street

 Ø1	 Ø2	 Ø3	 Ø4
14 s	50 s	14 s	42 s
 Ø5	 Ø6	 Ø7	 Ø8
14 s	50 s	14 s	42 s

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street













01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	18	344	59	158	316	20	152	263	65	81	255	75
Future Volume (vph)	18	344	59	158	316	20	152	263	65	81	255	75
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	100		50	75		25	80		0	80		0
Storage Lanes	1		1	1		1	1		0	1		0
Taper Length (ft)	105			90			50			90		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850		0.970			0.966	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1805	1613	1528	1787	1644	1589	1770	1629	0	1805	1821	0
Flt Permitted	0.563			0.352			0.291			0.405		
Satd. Flow (perm)	1070	1613	1528	662	1644	1589	542	1629	0	770	1821	0
Right Turn on Red			No			No			No			No
Satd. Flow (RTOR)												
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		364			246			163			191	
Travel Time (s)		8.3			5.6			4.4			5.2	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	6%	4%	1%	4%	0%	2%	1%	5%	0%	1%	0%
Bus Blockages (#/hr)	0	0	4	0	0	4	0	0	0	0	0	0
Parking (#/hr)		0			0			0				
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	19	355	61	163	326	21	157	338	0	84	340	0
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2		2	6		6	8			4		
Detector Phase	5	2	2	1	6	6	3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	3.0	3.0	3.0	15.0	15.0	3.0	8.0		3.0	8.0	
Minimum Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (%)	11.7%	41.7%	41.7%	11.7%	41.7%	41.7%	11.7%	35.0%		11.7%	35.0%	
Yellow Time (s)	3.5	4.5	4.5	3.5	4.5	4.5	3.5	4.5		3.5	4.5	
All-Red Time (s)	0.0	1.5	1.5	0.0	1.5	1.5	0.0	1.5		0.0	1.5	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.5	6.0	6.0	3.5	6.0	6.0	3.5	6.0		3.5	6.0	
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	
Recall Mode	None	Min	Min	None	Min	Min	None	None		None	None	
Act Effect Green (s)	39.6	30.7	30.7	46.6	40.7	40.7	38.7	28.4		35.5	24.5	
Actuated g/C Ratio	0.42	0.33	0.33	0.49	0.43	0.43	0.41	0.30		0.38	0.26	

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street

01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.04	0.68	0.12	0.37	0.46	0.03	0.45	0.69		0.22	0.72	
Control Delay	14.5	35.8	24.8	17.0	24.3	20.2	23.0	40.6		19.7	42.6	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	14.5	35.8	24.8	17.0	24.3	20.2	23.0	40.6		19.7	42.6	
LOS	B	D	C	B	C	C	C	D		B	D	
Approach Delay		33.4			21.8			35.0			38.0	
Approach LOS		C			C			C			D	
Queue Length 50th (ft)	6	183	26	52	124	7	58	186		30	189	
Queue Length 95th (ft)	20	326	62	108	278	27	120	341		70	328	
Internal Link Dist (ft)		284			166			83			111	
Turn Bay Length (ft)	100		50	75		25	80			80		
Base Capacity (vph)	588	788	746	458	816	788	367	651		431	727	
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Reduced v/c Ratio	0.03	0.45	0.08	0.36	0.40	0.03	0.43	0.52		0.19	0.47	

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 94.4

Natural Cycle: 120

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.72

Intersection Signal Delay: 31.7









Intersection LOS: C

Intersection Capacity Utilization 69.9%

ICU Level of Service C

Analysis Period (min) 15

























Splits and Phases: 1: Lathrop Avenue & Lake Street

 Ø1	 Ø2	 Ø3	 Ø4
14 s	50 s	14 s	42 s
 Ø5	 Ø6	 Ø7	 Ø8
14 s	50 s	14 s	42 s

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street













01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	47	439	91	194	445	33	155	339	78	114	314	70
Future Volume (vph)	47	439	91	194	445	33	155	339	78	114	314	70
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	100		50	75		25	0		0	80		0
Storage Lanes	1		1	1		1	1		0	1		0
Taper Length (ft)	105			90			0			90		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850		0.972			0.973	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1693	1573	1787	1613	1589	1770	1832	0	1770	1817	0
Flt Permitted	0.341			0.250			0.241			0.204		
Satd. Flow (perm)	635	1693	1573	470	1613	1589	449	1832	0	380	1817	0
Right Turn on Red			No			No			No			No
Satd. Flow (RTOR)												
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		364			246			163			191	
Travel Time (s)		8.3			5.6			4.4			5.2	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	1%	1%	1%	6%	0%	2%	1%	0%	2%	1%	5%
Bus Blockages (#/hr)	0	0	4	0	0	4	0	0	0	0	0	0
Parking (#/hr)		0			0							
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	49	457	95	202	464	34	161	434	0	119	400	0
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2		2	6		6	8			4		
Detector Phase	5	2	2	1	6	6	3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0	15.0	3.0	15.0	15.0	3.0	8.0		3.0	8.0	
Minimum Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (s)	14.0	50.0	50.0	14.0	50.0	50.0	14.0	42.0		14.0	42.0	
Total Split (%)	11.7%	41.7%	41.7%	11.7%	41.7%	41.7%	11.7%	35.0%		11.7%	35.0%	
Yellow Time (s)	3.5	4.5	4.5	3.5	4.5	4.5	3.5	4.5		3.5	4.5	
All-Red Time (s)	0.0	1.5	1.5	0.0	1.5	1.5	0.0	1.5		0.0	1.5	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)	3.5	6.0	6.0	3.5	6.0	6.0	3.5	6.0		3.5	6.0	
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	
Recall Mode	None	Min	Min	None	Min	Min	None	Min		None	Min	
Act Effect Green (s)	47.2	37.4	37.4	53.2	42.9	42.9	42.8	30.4		42.1	30.1	
Actuated g/C Ratio	0.44	0.35	0.35	0.50	0.40	0.40	0.40	0.28		0.39	0.28	

Lanes, Volumes, Timings

1: Lathrop Avenue & Lake Street

01/18/2018

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.14	0.77	0.17	0.56	0.72	0.05	0.54	0.83		0.44	0.78	
Control Delay	16.0	41.8	26.2	22.6	36.8	23.2	27.3	52.0		25.2	48.4	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	16.0	41.8	26.2	22.6	36.8	23.2	27.3	52.0		25.2	48.4	
LOS	B	D	C	C	D	C	C	D		C	D	
Approach Delay		37.2			32.0			45.3			43.1	
Approach LOS		D			C			D			D	
Queue Length 50th (ft)	18	299	48	83	296	16	74	304		54	274	
Queue Length 95th (ft)	40	435	90	133	445	39	123	#460		94	397	
Internal Link Dist (ft)		284			166			83			111	
Turn Bay Length (ft)	100		50	75		25				80		
Base Capacity (vph)	416	717	666	366	701	690	317	634		294	629	
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	
Reduced v/c Ratio	0.12	0.64	0.14	0.55	0.66	0.05	0.51	0.68		0.40	0.64	

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 107

Natural Cycle: 120

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.83

Intersection Signal Delay: 39.0

Intersection LOS: D

Intersection Capacity Utilization 79.9%









ICU Level of Service D

Analysis Period (min) 15

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

Queue shown is maximum after two cycles.

Splits and Phases: 1: Lathrop Avenue & Lake Street

 Ø1	 Ø2	 Ø3	 Ø4
14 s	50 s	14 s	42 s
 Ø5	 Ø6	 Ø7	 Ø8
14 s	50 s	14 s	42 s






HCM 2010 AWSC

2: Lathrop Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh 46.7
Intersection LOS E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	22	147	19	83	37	14	31	417	200	19	399	25
Future Vol, veh/h	22	147	19	83	37	14	31	417	200	19	399	25
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	5	2	0	0	0	7	0	2	2	5	1	0
Mvmt Flow	25	167	22	94	42	16	35	474	227	22	453	28
Number of Lanes	0	1	0	0	1	0	0	1	1	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	2	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	1	1	1
HCM Control Delay	18.2	15.9	53.1	58.7
HCM LOS	C	C	F	F

Lane	NBLn1	NBLn2	EBLn1	WBLn1	SBLn1
Vol Left, %	7%	0%	12%	62%	4%
Vol Thru, %	93%	0%	78%	28%	90%
Vol Right, %	0%	100%	10%	10%	6%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	448	200	188	134	443
LT Vol	31	0	22	83	19
Through Vol	417	0	147	37	399
RT Vol	0	200	19	14	25
Lane Flow Rate	509	227	214	152	503
Geometry Grp	7	7	2	2	5
Degree of Util (X)	1.015	0.408	0.476	0.353	0.97
Departure Headway (Hd)	7.176	6.457	8.024	8.357	6.936
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	509	559	449	429	524
Service Time	4.895	4.175	6.084	6.424	4.95
HCM Lane V/C Ratio	1	0.406	0.477	0.354	0.96
HCM Control Delay	70.7	13.6	18.2	15.9	58.7
HCM Lane LOS	F	B	C	C	F
HCM 95th-tile Q	14.3	2	2.5	1.6	12.8





HCM 2010 AWSC

3: Ashland Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	9.7
Intersection LOS	A





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	112	4	17	58	20	12	58	51	22	23	3
Future Vol, veh/h	10	112	4	17	58	20	12	58	51	22	23	3
Peak Hour Factor	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Heavy Vehicles, %	0	1	0	0	0	0	0	3	0	0	0	0
Mvmt Flow	18	204	7	31	105	36	22	105	93	40	42	5
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.1	9.4	9.8	9.1
HCM LOS	B	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	10%	8%	18%	46%
Vol Thru, %	48%	89%	61%	48%
Vol Right, %	42%	3%	21%	6%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	121	126	95	48
LT Vol	12	10	17	22
Through Vol	58	112	58	23
RT Vol	51	4	20	3
Lane Flow Rate	220	229	173	87
Geometry Grp	1	1	1	1
Degree of Util (X)	0.29	0.309	0.233	0.126
Departure Headway (Hd)	4.747	4.857	4.846	5.208
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	750	733	734	681
Service Time	2.82	2.931	2.923	3.298
HCM Lane V/C Ratio	0.293	0.312	0.236	0.128
HCM Control Delay	9.8	10.1	9.4	9.1
HCM Lane LOS	A	B	A	A
HCM 95th-tile Q	1.2	1.3	0.9	0.4

HCM 2010 TWSC
4: Ashland Avenue & Lake Street

01/18/2018

Intersection												
Int Delay, s/veh	3.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	81	376	22	10	411	100	8	43	25	1	2	0
Future Vol, veh/h	81	376	22	10	411	100	8	43	25	1	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	4	0	12	2	0	0	0	0
Mvmt Flow	92	427	25	11	467	114	9	49	28	1	2	0
Major/Minor	Major1		Major2			Minor1			Minor2			
Conflicting Flow All	581	0	0	452	0	0	1172	1227	440	1210	1183	524
Stage 1	-	-	-	-	-	-	624	624	-	547	547	-
Stage 2	-	-	-	-	-	-	548	603	-	663	636	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.22	6.52	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.22	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.22	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.608	4.018	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1003	-	-	1119	-	-	162	178	621	161	191	557
Stage 1	-	-	-	-	-	-	457	478	-	525	521	-
Stage 2	-	-	-	-	-	-	503	488	-	454	475	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1003	-	-	1119	-	-	144	154	621	104	165	557
Mov Cap-2 Maneuver	-	-	-	-	-	-	144	154	-	104	165	-
Stage 1	-	-	-	-	-	-	401	419	-	460	513	-
Stage 2	-	-	-	-	-	-	493	481	-	336	417	-
Approach	EB		WB			NB			SB			
HCM Control Delay, s	1.5		0.2			35.3			31.7			
HCM LOS						E			D			
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	203	1003	-	-	1119	-	-	138				
HCM Lane V/C Ratio	0.425	0.092	-	-	0.01	-	-	0.025				
HCM Control Delay (s)	35.3	9	0	-	8.2	0	-	31.7				
HCM Lane LOS	E	A	A	-	A	A	-	D				
HCM 95th %tile Q(veh)	2	0.3	-	-	0	-	-	0.1				





HCM 2010 AWSC

2: Lathrop Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	56.3
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	140	40	169	31	57	23	472	247	15	505	16
Future Vol, veh/h	11	140	40	169	31	57	23	472	247	15	505	16
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Heavy Vehicles, %	0	0	0	1	0	0	0	1	1	0	1	0
Mvmt Flow	11	141	40	171	31	58	23	477	249	15	510	16
Number of Lanes	0	1	0	0	1	0	0	2	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	2	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	1	1	1
HCM Control Delay	18.7	23	47.4	98
HCM LOS	C	C	E	F

Lane	NBLn1	NBLn2	EBLn1	WBLn1	SBLn1
Vol Left, %	9%	0%	6%	66%	3%
Vol Thru, %	91%	49%	73%	12%	94%
Vol Right, %	0%	51%	21%	22%	3%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	259	483	191	257	536
LT Vol	23	0	11	169	15
Through Vol	236	236	140	31	505
RT Vol	0	247	40	57	16
Lane Flow Rate	262	488	193	260	541
Geometry Grp	7	7	2	2	5
Degree of Util (X)	0.551	0.975	0.448	0.588	1.102
Departure Headway (Hd)	7.887	7.489	8.773	8.516	7.325
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	460	488	413	426	498
Service Time	5.587	5.189	6.773	6.516	5.374
HCM Lane V/C Ratio	0.57	1	0.467	0.61	1.086
HCM Control Delay	19.8	62.2	18.7	23	98
HCM Lane LOS	C	F	C	C	F
HCM 95th-tile Q	3.3	12.5	2.3	3.7	17.7





HCM 2010 AWSC

3: Ashland Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	8.1
Intersection LOS	A





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	6	115	3	8	43	19	3	30	30	41	44	6
Future Vol, veh/h	6	115	3	8	43	19	3	30	30	41	44	6
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	3	0	0
Mvmt Flow	7	135	4	9	51	22	4	35	35	48	52	7
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.4	7.8	7.7	8.3
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	5%	5%	11%	45%
Vol Thru, %	48%	93%	61%	48%
Vol Right, %	48%	2%	27%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	63	124	70	91
LT Vol	3	6	8	41
Through Vol	30	115	43	44
RT Vol	30	3	19	6
Lane Flow Rate	74	146	82	107
Geometry Grp	1	1	1	1
Degree of Util (X)	0.088	0.178	0.099	0.137
Departure Headway (Hd)	4.265	4.401	4.337	4.599
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	841	817	827	782
Service Time	2.286	2.421	2.36	2.618
HCM Lane V/C Ratio	0.088	0.179	0.099	0.137
HCM Control Delay	7.7	8.4	7.8	8.3
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.3	0.6	0.3	0.5

HCM 2010 TWSC
4: Ashland Avenue & Lake Street

01/18/2018

Intersection												
Int Delay, s/veh	2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	34	519	36	37	560	40	5	15	28	3	13	12
Future Vol, veh/h	34	519	36	37	560	40	5	15	28	3	13	12
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	3	2	3	0	6	3	0	0	4	0	0	0
Mvmt Flow	35	541	38	39	583	42	5	16	29	3	14	13
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	625	0	0	578	0	0	1324	1332	559	1334	1330	604
Stage 1	-	-	-	-	-	-	630	630	-	681	681	-
Stage 2	-	-	-	-	-	-	694	702	-	653	649	-
Critical Hdwy	4.13	-	-	4.1	-	-	7.1	6.5	6.24	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.227	-	-	2.2	-	-	3.5	4	3.336	3.5	4	3.3
Pot Cap-1 Maneuver	952	-	-	1006	-	-	134	156	525	132	156	502
Stage 1	-	-	-	-	-	-	473	478	-	444	453	-
Stage 2	-	-	-	-	-	-	436	443	-	460	469	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	952	-	-	1006	-	-	111	139	525	104	139	502
Mov Cap-2 Maneuver	-	-	-	-	-	-	111	139	-	104	139	-
Stage 1	-	-	-	-	-	-	447	452	-	420	426	-
Stage 2	-	-	-	-	-	-	387	416	-	397	444	-
Approach	EB		WB				NB			SB		
HCM Control Delay, s	0.5		0.5				24.6			27.2		
HCM LOS							C			D		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	233	952	-	-	1006	-	-	191				
HCM Lane V/C Ratio	0.215	0.037	-	-	0.038	-	-	0.153				
HCM Control Delay (s)	24.6	8.9	0	-	8.7	0	-	27.2				
HCM Lane LOS	C	A	A	-	A	A	-	D				
HCM 95th %tile Q(veh)	0.8	0.1	-	-	0.1	-	-	0.5				






HCM 2010 AWSC

2: Lathrop Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh 53.4
Intersection LOS F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	23	155	20	86	38	16	32	436	208	20	419	26
Future Vol, veh/h	23	155	20	86	38	16	32	436	208	20	419	26
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	5	2	0	0	0	7	0	2	2	5	1	0
Mvmt Flow	26	176	23	98	43	18	36	495	236	23	476	30
Number of Lanes	0	1	0	0	1	0	0	1	1	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	2	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	1	1	1
HCM Control Delay	18.7	16.2	62.3	66.5
HCM LOS	C	C	F	F

Lane	NBLn1	NBLn2	EBLn1	WBLn1	SBLn1
Vol Left, %	7%	0%	12%	61%	4%
Vol Thru, %	93%	0%	78%	27%	90%
Vol Right, %	0%	100%	10%	11%	6%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	468	208	198	140	465
LT Vol	32	0	23	86	20
Through Vol	436	0	155	38	419
RT Vol	0	208	20	16	26
Lane Flow Rate	532	236	225	159	528
Geometry Grp	7	7	2	2	5
Degree of Util (X)	1.061	0.426	0.495	0.368	1
Departure Headway (Hd)	7.183	6.482	8.061	8.336	7.073
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	511	558	450	431	518
Service Time	4.892	4.191	6.061	6.405	5.073
HCM Lane V/C Ratio	1.041	0.423	0.5	0.369	1.019
HCM Control Delay	83.8	13.9	18.7	16.2	66.5
HCM Lane LOS	F	B	C	C	F
HCM 95th-tile Q	16.1	2.1	2.7	1.7	13.8





HCM 2010 AWSC

3: Ashland Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	9.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	116	4	18	60	21	12	60	53	25	25	4
Future Vol, veh/h	11	116	4	18	60	21	12	60	53	25	25	4
Peak Hour Factor	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Heavy Vehicles, %	0	1	0	0	0	0	0	3	0	0	0	0
Mvmt Flow	20	211	7	33	109	38	22	109	96	45	45	7
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.4	9.6	10	9.3
HCM LOS	B	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	10%	8%	18%	46%
Vol Thru, %	48%	89%	61%	46%
Vol Right, %	42%	3%	21%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	125	131	99	54
LT Vol	12	11	18	25
Through Vol	60	116	60	25
RT Vol	53	4	21	4
Lane Flow Rate	227	238	180	98
Geometry Grp	1	1	1	1
Degree of Util (X)	0.304	0.326	0.246	0.146
Departure Headway (Hd)	4.811	4.924	4.914	5.367
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	739	722	722	673
Service Time	2.897	3.013	3.009	3.367
HCM Lane V/C Ratio	0.307	0.33	0.249	0.146
HCM Control Delay	10	10.4	9.6	9.3
HCM Lane LOS	A	B	A	A
HCM 95th-tile Q	1.3	1.4	1	0.5

HCM 2010 TWSC
4: Ashland Avenue & Lake Street




01/18/2018

Intersection												
Int Delay, s/veh	3.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	84	392	24	10	428	104	10	45	28	1	2	0
Future Vol, veh/h	84	392	24	10	428	104	10	45	28	1	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	4	0	12	2	0	0	0	0
Mvmt Flow	95	445	27	11	486	118	11	51	32	1	2	0
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	605	0	0	473	0	0	1219	1277	459	1259	1232	545
Stage 1	-	-	-	-	-	-	650	650	-	568	568	-
Stage 2	-	-	-	-	-	-	569	627	-	691	664	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.22	6.52	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.22	5.52	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.22	5.52	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.608	4.018	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	983	-	-	1099	-	-	150	166	606	149	179	542
Stage 1	-	-	-	-	-	-	442	465	-	511	510	-
Stage 2	-	-	-	-	-	-	490	476	-	438	461	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	983	-	-	1099	-	-	132	142	606	91	153	542
Mov Cap-2 Maneuver	-	-	-	-	-	-	132	142	-	91	153	-
Stage 1	-	-	-	-	-	-	384	404	-	444	502	-
Stage 2	-	-	-	-	-	-	480	469	-	315	400	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	1.5			0.2			41.6			34.6		
HCM LOS							E			D		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	189	983	-	-	1099	-	-	125				
HCM Lane V/C Ratio	0.499	0.097	-	-	0.01	-	-	0.027				
HCM Control Delay (s)	41.6	9.1	0	-	8.3	0	-	34.6				
HCM Lane LOS	E	A	A	-	A	A	-	D				
HCM 95th %tile Q(veh)	2.5	0.3	-	-	0	-	-	0.1				

HCM 2010 TWSC

5: Lathrop Avenue & Proposed Access Drive




01/18/2018

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	5	4	3	475	467	5
Future Vol, veh/h	5	4	3	475	467	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	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	4	3	500	492	5
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1000	494	497	0	-	0
Stage 1	494	-	-	-	-	-
Stage 2	506	-	-	-	-	-
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	270	575	1067	-	-	-
Stage 1	613	-	-	-	-	-
Stage 2	606	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	269	575	1067	-	-	-
Mov Cap-2 Maneuver	269	-	-	-	-	-
Stage 1	613	-	-	-	-	-
Stage 2	604	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	15.5	0.1		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1067	-	352	-	-	
HCM Lane V/C Ratio	0.003	-	0.027	-	-	
HCM Control Delay (s)	8.4	0	15.5	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0	-	0.1	-	-	

HCM 2010 TWSC

6: Ashland Avenue & Proposed Access Drive

01/18/2018

Intersection						
Int Delay, s/veh	0.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	4	4	79	1	1	35
Future Vol, veh/h	4	4	79	1	1	35
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	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	4	83	1	1	37
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	123	84	0	0	84	0
Stage 1	84	-	-	-	-	-
Stage 2	39	-	-	-	-	-
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	872	975	-	-	1513	-
Stage 1	939	-	-	-	-	-
Stage 2	983	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	871	975	-	-	1513	-
Mov Cap-2 Maneuver	871	-	-	-	-	-
Stage 1	939	-	-	-	-	-
Stage 2	982	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	8.9	0	0.2			
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	920	1513	-	
HCM Lane V/C Ratio	-	-	0.009	0.001	-	
HCM Control Delay (s)	-	-	8.9	7.4	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	0	0	-	





HCM 2010 AWSC

2: Lathrop Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	71.6
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	146	42	176	32	61	24	499	257	18	533	19
Future Vol, veh/h	11	146	42	176	32	61	24	499	257	18	533	19
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Heavy Vehicles, %	0	0	0	1	0	0	0	1	1	0	1	0
Mvmt Flow	11	147	42	178	32	62	24	504	260	18	538	19
Number of Lanes	0	1	0	0	1	0	0	2	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	2
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	2	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	2	1	1	1
HCM Control Delay	20	25.1	59.8	127.7
HCM LOS	C	D	F	F

Lane	NBLn1	NBLn2	EBLn1	WBLn1	SBLn1
Vol Left, %	9%	0%	6%	65%	3%
Vol Thru, %	91%	49%	73%	12%	94%
Vol Right, %	0%	51%	21%	23%	3%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	274	507	199	269	570
LT Vol	24	0	11	176	18
Through Vol	250	250	146	32	533
RT Vol	0	257	42	61	19
Lane Flow Rate	276	512	201	272	576
Geometry Grp	7	7	2	2	5
Degree of Util (X)	0.591	1.04	0.473	0.62	1.184
Departure Headway (Hd)	8.144	7.748	9.097	8.795	7.562
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	448	471	398	413	484
Service Time	5.844	5.448	7.097	6.795	5.562
HCM Lane V/C Ratio	0.616	1.087	0.505	0.659	1.19
HCM Control Delay	21.9	80.3	20	25.1	127.7
HCM Lane LOS	C	F	C	D	F
HCM 95th-tile Q	3.7	14.7	2.5	4.1	21

HCM 2010 AWSC

3: Ashland Avenue & Central Avenue

01/18/2018

Intersection

Intersection Delay, s/veh	8.3
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	8	120	3	9	46	20	3	33	31	43	47	7
Future Vol, veh/h	8	120	3	9	46	20	3	33	31	43	47	7
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	3	0	0
Mvmt Flow	9	141	4	11	54	24	4	39	36	51	55	8
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.5	7.9	7.8	8.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	4%	6%	12%	44%
Vol Thru, %	49%	92%	61%	48%
Vol Right, %	46%	2%	27%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	67	131	75	97
LT Vol	3	8	9	43
Through Vol	33	120	46	47
RT Vol	31	3	20	7
Lane Flow Rate	79	154	88	114
Geometry Grp	1	1	1	1
Degree of Util (X)	0.095	0.19	0.107	0.147
Departure Headway (Hd)	4.318	4.444	4.385	4.635
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	830	809	818	775
Service Time	2.342	2.465	2.409	2.658
HCM Lane V/C Ratio	0.095	0.19	0.108	0.147
HCM Control Delay	7.8	8.5	7.9	8.5
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.3	0.7	0.4	0.5

HCM 2010 TWSC
4: Ashland Avenue & Lake Street




01/18/2018

Intersection												
Int Delay, s/veh	2.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	35	544	39	40	587	42	6	16	30	3	14	12
Future Vol, veh/h	35	544	39	40	587	42	6	16	30	3	14	12
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	3	2	3	0	6	3	0	0	4	0	0	0
Mvmt Flow	36	567	41	42	611	44	6	17	31	3	15	13
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	655	0	0	607	0	0	1390	1399	587	1401	1397	633
Stage 1	-	-	-	-	-	-	660	660	-	717	717	-
Stage 2	-	-	-	-	-	-	730	739	-	684	680	-
Critical Hdwy	4.13	-	-	4.1	-	-	7.1	6.5	6.24	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.227	-	-	2.2	-	-	3.5	4	3.336	3.5	4	3.3
Pot Cap-1 Maneuver	927	-	-	981	-	-	121	142	506	119	142	483
Stage 1	-	-	-	-	-	-	455	463	-	424	437	-
Stage 2	-	-	-	-	-	-	417	427	-	442	454	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	927	-	-	981	-	-	97	125	506	91	125	483
Mov Cap-2 Maneuver	-	-	-	-	-	-	97	125	-	91	125	-
Stage 1	-	-	-	-	-	-	428	436	-	399	407	-
Stage 2	-	-	-	-	-	-	365	398	-	375	427	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0.5			28.1			30.5		
HCM LOS							D			D		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	209	927	-	-	981	-	-	171				
HCM Lane V/C Ratio	0.259	0.039	-	-	0.042	-	-	0.177				
HCM Control Delay (s)	28.1	9	0	-	8.8	0	-	30.5				
HCM Lane LOS	D	A	A	-	A	A	-	D				
HCM 95th %tile Q(veh)	1	0.1	-	-	0.1	-	-	0.6				

HCM 2010 TWSC

5: Lathrop Avenue & Proposed Access Drive

01/18/2018

Intersection						
Int Delay, s/veh	0.5					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	15	12	10	557	586	13
Future Vol, veh/h	15	12	10	557	586	13
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	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	13	11	586	617	14
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	938	624	631	0	-	0
Stage 1	624	-	-	-	-	-
Stage 2	314	-	-	-	-	-
Critical Hdwy	6.63	6.23	4.13	-	-	-
Critical Hdwy Stg 1	5.43	-	-	-	-	-
Critical Hdwy Stg 2	5.83	-	-	-	-	-
Follow-up Hdwy	3.519	3.319	2.219	-	-	-
Pot Cap-1 Maneuver	278	484	949	-	-	-
Stage 1	533	-	-	-	-	-
Stage 2	714	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	273	484	949	-	-	-
Mov Cap-2 Maneuver	273	-	-	-	-	-
Stage 1	533	-	-	-	-	-
Stage 2	702	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	16.6	0.3		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	949	-	339	-	-	
HCM Lane V/C Ratio	0.011	-	0.084	-	-	
HCM Control Delay (s)	8.8	0.1	16.6	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0	-	0.3	-	-	




HCM 2010 TWSC

6: Ashland Avenue & Proposed Access Drive

01/18/2018

Intersection

Int Delay, s/veh 0.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	2	50	4	4	89
Future Vol, veh/h	2	2	50	4	4	89
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	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	2	53	4	4	94

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	157	55	0
Stage 1	55	-	-
Stage 2	102	-	-
Critical Hdwy	6.42	6.22	-
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	-
Pot Cap-1 Maneuver	834	1012	-
Stage 1	968	-	-
Stage 2	922	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	831	1012	-
Mov Cap-2 Maneuver	831	-	-
Stage 1	968	-	-
Stage 2	919	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9	0	0.3
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	913	1547
HCM Lane V/C Ratio	-	-	0.005	0.003
HCM Control Delay (s)	-	-	9	7.3
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0	0

Statement of Responsibility

The undersigned Officer of the applicant hereby acknowledges his responsibility to record a certified copy of the Ordinance granting the Planned Development Permit with the Cook County Recorder of Deeds office and provide evidence of said recording to the Village of River Forest within thirty (30) days of the passage of the Ordinance.



Marty Paris

1/25/18

Date



AFFIDAVIT

Village of River Forest
400 Park Ave.
River Forest, Illinois 60305

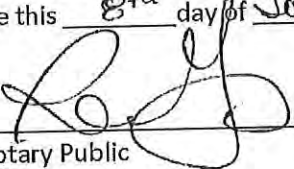
I, Marty Paris, as the manager of Lake Lathrop Partners, LLC. And as its authorized representative, hereby attest that the requirement of informing the neighbors, within 500 feet of our proposed development at 7601-7621 Lake Street in River Forest, and inviting them to a Neighbors Meeting to be held at the River Forest Village Hall at 7:00pm on January 23rd, 2018, has been fulfilled by mailing an appropriate notice to the property owners of record of the properties located within 500 feet of the proposed development.

Attached is the list of the property owners to whom we mailed the notice.


Marty Paris



Subscribed and sworn to before
me this 8th day of January, 2018.


Notary Public

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
7566	Central Ave		River Forest	IL	60305	15-12-219-031-0000	Com Ed
405	Lathrop Ave	1c	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	1d	River Forest	IL	60305	15-12-219-036-0000	
405	Lathrop Ave	2d	River Forest	IL	60305	15-12-219-036-0000	
348	Lathrop Ave		River Forest	IL	60305	15-12-305-031-0000	
409	Lathrop Ave		River Forest	IL	60305	15-12-219-036-0000	
523	Lathrop Ave		River Forest	IL	60305	15-12-212-008-0000	Steven Wierdak
528	Lathrop Ave		River Forest	IL	60305	15-12-111-044-0000	N/A
405	Lathrop Ave	1d	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	2b	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	1f	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	1b	River Forest	IL	60305	15-12-219-036-0000	
400	Lathrop Ave		River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
405	Lathrop Ave		River Forest	IL	60305	15-12-219-036-0000	
531	Lathrop Ave		River Forest	IL	60305	15-12-212-006-0000	Charles & Margaret Boy
406	Lathrop Ave		River Forest	IL	60305	15-12-117-013-0000	Walter Pedemonte
409	Lathrop Ave	1a	River Forest	IL	60305	15-12-219-036-0000	
400	Lathrop Ave	LI90	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
515	Lathrop Ave		River Forest	IL	60305	15-12-212-010-0000	Scott M Winsett
400	Lathrop Ave	100	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
507	Lathrop Ave		River Forest	IL	60305	15-12-212-012-0000	Carl & Melissa Bereshe
400	Lathrop Ave	LI95	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
405	Lathrop Ave	2b	River Forest	IL	60305	15-12-219-036-0000	
527	Lathrop Ave		River Forest	IL	60305	15-12-212-007-0000	Lonmu & Liu
409	Lathrop Ave	2d	River Forest	IL	60305	15-12-219-036-0000	
417	Lathrop Ave		River Forest	IL	60305	15-12-219-043-0000	
404	Lathrop Ave		River Forest	IL	60305	15-12-117-014-0000	Alder Ent Llc
409	Lathrop Ave	2a	River Forest	IL	60305	15-12-219-036-0000	
405	Lathrop Ave	2a	River Forest	IL	60305	15-12-219-036-0000	
400	Lathrop Ave	200	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
405	Lathrop Ave	2c	River Forest	IL	60305	15-12-219-036-0000	
405	Lathrop Ave	1a	River Forest	IL	60305	15-12-219-036-0000	
400	Lathrop Ave	203	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
405	Lathrop Ave	1e	River Forest	IL	60305	15-12-219-036-0000	
535	Lathrop Ave		River Forest	IL	60305	15-12-212-005-0000	Mary Jill Watts
409	Lathrop Ave	2e	River Forest	IL	60305	15-12-219-036-0000	
400	Lathrop Ave	202	River Forest	IL	60305	15-12-117-015-0000	Dowling Properties
409	Lathrop Ave	2c	River Forest	IL	60305	15-12-219-036-0000	
534	Lathrop Ave		River Forest	IL	60305	15-12-111-037-0000	William A Belke
405	Lathrop Ave	2e	River Forest	IL	60305	15-12-219-036-0000	
519	Lathrop Ave		River Forest	IL	60305	15-12-212-009-0000	Robert Nugent
511	Lathrop Ave		River Forest	IL	60305	15-12-212-011-0000	Justin R Distefano
409	Lathrop Ave	1c	River Forest	IL	60305	15-12-219-036-0000	
530	Lathrop Ave		River Forest	IL	60305	15-12-111-038-0000	Joseph M Claps

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
405	Lathrop Ave	1b	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	2f	River Forest	IL	60305	15-12-219-036-0000	
409	Lathrop Ave	1e	River Forest	IL	60305	15-12-219-036-0000	
411	Ashland Ave	3e	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	3g	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	4k	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	1b	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	602	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	611	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	4f	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave		River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	6g	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	607	River Forest	IL	60305	15-12-116-025-0000	
526	Ashland Ave		River Forest	IL	60305	15-12-110-039-0000	Paul & Ellen Coffey
411	Ashland Ave	3d	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	2h	River Forest	IL	60305	15-12-117-016-0000	
501	Ashland Ave		River Forest	IL		15-12-111-045-0000	N/A
411	Ashland Ave	2b	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	3a	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	5k	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	1k	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	617	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	1c	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	6c	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	5f	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	4h	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	2a	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	605	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	2f	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	621	River Forest	IL	60305	15-12-116-025-0000	
423	Ashland Ave		River Forest	IL	60305	15-12-117-003-0000	Lake Lathrop Partners
410	Ashland Ave	609	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	5j	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	3j	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	618	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	5h	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	3b	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	603	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	1a	River Forest	IL	60305	15-12-117-016-0000	
418	Ashland Ave		River Forest	IL	60305	15-12-116-019-0000	Chicago Title & Trust
407	Ashland Ave	4j	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	3c	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	601	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	610	River Forest	IL	60305	15-12-116-025-0000	

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
411	Ashland Ave	6d	River Forest	IL	60305	15-12-117-016-0000	Jon & Joanna Ver Halen Daniel J Conidi
407	Ashland Ave	3f	River Forest	IL	60305	15-12-117-016-0000	
518	Ashland Ave		River Forest	IL	60305	15-12-110-040-0000	
500	Ashland Ave		River Forest	IL	60305	15-12-110-044-0000	
407	Ashland Ave	6h	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	620	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	6f	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	4c	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	5g	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	4d	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	3h	River Forest	IL	60305	15-12-117-016-0000	B & S Bedell
411	Ashland Ave	2e	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	6a	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	5c	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	2g	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	2j	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	1h	River Forest	IL	60305	15-12-117-016-0000	
444	Ashland Ave		River Forest	IL	60305	15-12-116-029-0000	
410	Ashland Ave	625	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	2d	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	5a	River Forest	IL	60305	15-12-117-016-0000	
530	Ashland Ave		River Forest	IL	60305	15-12-110-038-0000	
410	Ashland Ave	613	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	4b	River Forest	IL	60305	15-12-117-016-0000	
411	Ashland Ave	6b	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	622	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	4e	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	629	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	627	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	5b	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	628	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	614	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	2k	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	1j	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	3k	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	616	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	6k	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	604	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	608	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	4a	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	619	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave	4g	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave	615	River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	606	River Forest	IL	60305	15-12-116-025-0000	

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
410	Ashland Ave	626	River Forest	IL	60305	15-12-116-025-0000	Life Insurance Benefit
419	Ashland Ave		River Forest	IL	60305	15-12-117-004-0000	
410	Ashland Ave	612	River Forest	IL	60305	15-12-116-025-0000	
411	Ashland Ave	2c	River Forest	IL	60305	15-12-117-016-0000	W & J Ritchie S Glinke&e Hamilton
348	Ashland Ave		River Forest	IL	60305	15-12-304-032-0000	
514	Ashland Ave		River Forest	IL	60305	15-12-110-041-0000	
411	Ashland Ave	5e	River Forest	IL	60305	15-12-117-016-0000	
410	Ashland Ave		River Forest	IL	60305	15-12-116-025-0000	
410	Ashland Ave	623	River Forest	IL	60305	15-12-116-025-0000	
407	Ashland Ave		River Forest	IL	60305	15-12-117-016-0000	Laurie E Lawton R Forest Kitchen Llc
506	Ashland Ave		River Forest	IL	60305	15-12-110-043-0000	
349	Ashland Ave		River Forest	IL	60305	15-12-305-026-0000	
410	Ashland Ave	624	River Forest	IL	60305	15-12-116-025-0000	Central Ashland Llc
411	Ashland Ave	6e	River Forest	IL	60305	15-12-117-016-0000	
407	Ashland Ave	6j	River Forest	IL	60305	15-12-117-016-0000	
400	Ashland Ave		River Forest	IL	60305	15-12-116-022-0000	A Rajagopal N/A
411	Ashland Ave	5d	River Forest	IL	60305	15-12-117-016-0000	
510	Ashland Ave		River Forest	IL	60305	15-12-110-042-0000	
533	Ashland Ave		River Forest	IL	60305	15-12-111-017-0000	Chicago Title Land Tru New Albertsons Llc M Horstman J Hofert David Beck
7629	Lake St		River Forest	IL	60305	15-12-117-001-0000	
7525	Lake St		River Forest	IL	60305	15-12-219-038-0000	
7726	Lake St		River Forest	IL	60305	15-12-110-055-0000	West Suburban Managmnt Edward Ditchfield
7732	Lake St		River Forest	IL	60305	15-12-110-052-0000	
7575	Lake St	2d	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	2a	River Forest	IL	60305	15-12-219-037-0000	T J Ivinjack
7575	Lake St	3b	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	6c	River Forest	IL	60305	15-12-219-037-0000	
7617	Lake St		River Forest	IL	60305	15-12-117-002-0000	Mb Bank Acctg 693
7613	Lake St		River Forest	IL	60305	15-12-117-018-0000	
7575	Lake St	2b	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	3c	River Forest	IL	60305	15-12-219-037-0000	Maryann Hagerty New Albertsons Llc
7575	Lake St	6a	River Forest	IL	60305	15-12-219-037-0000	
7724	Lake St		River Forest	IL	60305	15-12-110-056-0000	
7575	Lake St	4a	River Forest	IL	60305	15-12-219-037-0000	West Suburban Managmnt
7575	Lake St		River Forest	IL	60305	15-12-219-037-0000	
7727	Lake St		River Forest	IL	60305	15-12-116-003-0000	
7575	Lake St	5c	River Forest	IL	60305	15-12-219-037-0000	West Suburban Managmnt
7720	Lake St		River Forest	IL	60305	15-12-110-058-0000	
7525	Lake St		River Forest	IL	60305	15-12-219-038-0000	
7621	Lake St		River Forest	IL	60305	15-12-117-002-0000	West Suburban Managmnt
7627	Lake St		River Forest	IL	60305	15-12-117-002-0000	
7623	Lake St		River Forest	IL	60305	15-12-117-002-0000	
7575	Lake St	5b	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	4d	River Forest	IL	60305	15-12-219-037-0000	

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
7625	Lake St		River Forest	IL	60305	15-12-117-002-0000	West Suburban Managmnt
7730	Lake St		River Forest	IL	60305	15-12-110-053-0000	Jerome W Ketzback
7575	Lake St	6d	River Forest	IL	60305	15-12-219-037-0000	
7619	Lake St		River Forest	IL	60305	15-12-117-002-0000	West Suburban Managmnt
7615	Lake St		River Forest	IL	60305	15-12-117-018-0000	Edward Ditchfield
7575	Lake St	4b	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	4c	River Forest	IL	60305	15-12-219-037-0000	
7577	Lake St		River Forest	IL	60305	15-12-219-002-0000	J Scott & J Hogan
7722	Lake St		River Forest	IL	60305	15-12-110-057-0000	Osman
7611	Lake St		River Forest	IL	60305	15-12-117-019-0000	Edward Ditchfield
7605	Lake St		River Forest	IL	60305	15-12-117-017-0000	Edward Ditchfield
7600	Lake St		River Forest	IL	60305	15-12-111-049-0000	N/A
7575	Lake St	2c	River Forest	IL	60305	15-12-219-037-0000	
7728	Lake St		River Forest	IL	60305	15-12-110-054-0000	Charlene Locasto Not I
7575	Lake St	3a	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	5a	River Forest	IL	60305	15-12-219-037-0000	
7607	Lake St		River Forest	IL	60305	15-12-117-017-0000	Edward Ditchfield
7575	Lake St	3d	River Forest	IL	60305	15-12-219-037-0000	
7575	Lake St	5d	River Forest	IL	60305	15-12-219-037-0000	
7579	Lake St		River Forest	IL	60305	15-12-219-001-0000	Fred Tomera
415	Franklin Ave	2cn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2fn	River Forest	IL	60305	15-12-116-024-0000	
519	Franklin Ave		River Forest	IL	60305	15-12-110-018-0000	N/A
415	Franklin Ave	5gn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3bn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4fs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2fs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4cs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave		River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3cn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	4fn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	4vn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5cs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2gn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3cs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2en	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3ds	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5dn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5ds	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3gs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3gn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3fs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5as	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4es	River Forest	IL	60305	15-12-116-024-0000	

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
415	Franklin Ave	4dn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2as	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5es	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3as	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	4gn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5fs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3es	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5en	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3dn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	4an	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4as	River Forest	IL	60305	15-12-116-024-0000	
523	Franklin Ave		River Forest	IL	60305	15-12-110-017-0000	Michael Hamilton
415	Franklin Ave	4bn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2bn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	1as	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4bs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	1an	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave		River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5bn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5cn	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	4en	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2an	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5fn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2bs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4ds	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2es	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	4gs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2ds	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5bs	River Forest	IL	60305	15-12-116-024-0000	
515	Franklin Ave		River Forest	IL	60305	15-12-110-019-0000	N/A
415	Franklin Ave	3gn	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	5gs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	5an	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3en	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	3bs	River Forest	IL	60305	15-12-116-024-0000	
407	Franklin Ave	2cs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	2dn	River Forest	IL	60305	15-12-116-024-0000	
423	Franklin Ave	2gs	River Forest	IL	60305	15-12-116-024-0000	
415	Franklin Ave	3an	River Forest	IL	60305	15-12-116-024-0000	
734	Jackson Ave		River Forest	IL	60305	15-12-212-013-0000	N/A
530	Jackson Ave		River Forest	IL	60305	15-12-212-016-0000	Joseph McInerney
522	Jackson Ave		River Forest	IL	60305	15-12-212-017-0000	John Lawrence
518	Jackson Ave		River Forest	IL	60305	15-12-212-018-0000	G S Lychyk 30496
504	Jackson Ave		River Forest	IL	60305	15-12-212-020-0000	Mary A Grayson

List of Property Owners with 500 ft

Address number	Street name	Unit	City	State	ZIP code	PIN	Property owner
510	Jackson Ave		River Forest	IL	60305	15-12-212-019-0000	Christopher Corrado

1/23/18

Name

Address

JOHN KEEFE	407 Ashland Ave
Erna Shorney	7575 Lake St
Beth Shorney	7575 Lake St
Margaret Zwick	411 Ashland
PAUL GOE	405 LATHROP 1E
WILLIAM BELKE	
GARY ADER	404 Lathrop. R.F.
E. Liebner	411 Ashland Ave
Phyllis M. Wilson	407 Ashland 2K
HANK BODE	7575 LAKE ST 4D R.F
SUSAN CARTLAND-BOOE	7575 Lake St #40 RF
Julie Patterson	7575 Lake St 2D RF
KEN FRANK WIESE	411 ASHLAND AVE 5D
GARNETT FOSTER	410 Ashland 3A
LUANNE PETERSON	9575 LAKE
Matt Patterson	7575 Lake St 2D RF
FRANK GAZZOLO	7575 LAKE ST. 2C RF
PETER Kuepfer	7617 Lake St.
Lisa Neumann	7611 Lake Street
Judith McDevitt	411 Ashland Ave., 5B
Guilem Cote	320 Lathrop Ave.
John O'Hara	407 Franklin
Sheila Montroy	410 Ashland 2C
Patricia Montroy	415 Franklin
Joan Cusack	7575 Lake
Janne Johnson	7575 Lake
Noreen O'Malley	7575 Lake

LAKE LATHROP PARTNERS LLC
LAKE STREET & LATHROP AVENUE REDEVELOPMENT

NEIGHBORHOOD MEETING MINUTES

Pursuant to a duly issued notice, a meeting of the neighbors was conducted on January 23, 2018.

In addition to the village manager, there were approximately 27 people in attendance.

The applicant described the proposed project and answered questions. The questions asked were regarding the environmental clean-up, the height of the building, traffic flow along Ashland and Lathrop, and parking area for residents as well as retail tenants

LAKE LATHROP PARTNERS LLC
LAKE STREET & LATHROP AVENUE REDEVELOPMENT

Meeting Minutes:

Lake Lathrop Partners LLC – RIVER FOREST Condominium Project
Resident Meeting Notes January 23, 2018
Location – River Forest Village Hall
Meeting stated at 7:15pm concluded 8:15

The meeting was attended by approximately 27 residents. Eric Christman from Sedgwick Properties Development LLC made a presentation reviewing the Project. A brief synopsis is as follows:

We are proposing to clean up a dirty environmental site and bring A lifestyle mixed use development that will enliven and brighten Lake Street with SIGNATURE STYLE AND TIMELESS LIVING

- W/ Private elevators WITH DIRECT ACCESS
- PRIVATE Outdoor space

We are proposing to demolition the existing building and Build a 5 story Mixed Use Building with approximately 16,000 SF of Retail and 32 Residential Units, 92 parking spots. The parking garage will have two entrances One for Retail along Lathrop – primarily for Retail and the other on Ashland – resident's will drive up to the second floor. This area will be Private to the Residents.

The retail: Walkable Lifestyle destination, will be 16,000 Sq. Ft. divided between 3 and 8 tenants ranging from 900 SF to 8,000 Sq. Ft., Ceiling height will be 20 ft. We have set aside 32 parking spaces for the retail to ease congestion and traffic along Lake Lathrop and Ashland We are planning to introduce an outdoor corridor along the existing Building and New building which will provide light and prominence to the New Building. We plan to Bring New Tenants to liven and enrich the vibrancy of the area (i.e new restaurant, boutiques, coffee houses)

Unit Layouts: We are planning 8 unit per floor with a Collection Of 3 And 4 Bedroom Residences
The layouts of the Units will feature:

- 4 Private Elevators with direct access
- Private Terraces –
- big enough for multiple outdoor living rooms
- Enough room for residents to Host Thanksgiving or Christmas dinners and Parties

We will be seeking variances from the Village Height the five stories will exceed the existing zoning on 55 ft. by about 10 to 15 ft. The height is necessary to create the building (there are 10 buildings in the area that exceed the height variance).

Safety is part of our culture and something we build into every project. The staff at Sedgwick take extra pre-caution to ensure every residents safety.



SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES

LAKE LATHROP PARTNERS LLC
LAKE STREET & LATHROP AVENUE REDEVELOPMENT

We have consolidated the comments and concerns of the residents to the following:

A concern that was brought up by the residents was over the Environmental clean-up. In 2001, The EPA found that the current site was contaminated in by a long running Dry Cleaners operation. The Lake Lathrop Partners LLC is commented to following appropriate environmental procedures in handling a site with these condition.

Another concern was traffic flow along Ashland and Lathrop especially at morning drop off and afternoon pick-up. As mentioned in the meeting the range of concern is from 8:00am to 8:20am and 3:00 to 3:20pm. A traffic study from KLOA is underway and will be available shortly.

The Height of the building will exceed the existing zoning on 55 ft. by about 10 to 15 ft. The height is necessary to create the building. There are 10 buildings in the area that exceed the height variance.

The residents also expressed concern regarding the parking area for residents as well as retail tenants. The Development has set aside 32 parking spaces on the first floor for retail parking. Retail customers will need to walk around from the parking area to the front of the building. The retail customers will exit onto Lathrop Street either to the North or South. Resident parking will be on the 2nd level with the entrance and exit on Ashland Ave.

The residents also expressed concern of building to the property line of the property. They believed there should be a setback for pedestrian sight of traffic along Lake Street. There is a wide sidewalk along Lake Street which will allow pedestrian traffic to view traffic along Lake Street.



SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES

REAL ESTATE DEVELOPMENT

ECONOMIC VIABILITY

The Developer consulted with Gagliardo Realty Associates, and Jameson Sotheby's International Realty all very experienced and reputable local real estate and development professionals who analyzed the current market conditions and the desirability of the proposed development

In their opinion, the proposed development is desirable for the market and feasible based on the proposed development cost and expected pricing. Additionally, the proposed development will have a positive impact on the surrounding property values.



SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT



7375 West North Avenue
River Forest, Illinois 60305
708.771.8040

Gagliardo Realty Associates has over 60 years' experience and over 40 licensed realtors who are highly recognized and respected in the area. They are among the most knowledgeable realtors in the field with personal roots in the communities we serve, giving us an "at-home" advantage. We are equipped with excellent agents plus an experienced tech savvy support staff, offering agents and their clients unprecedented service.

Gagliardo Realty Associates is one of the major real estate companies in the River Forest market and has first-hand knowledge in the following areas:

1. Market conditions,
2. Property values and
3. Trends in the real estate market

It is our opinion that the proposed product is highly desirable in this market by the people who no longer need larger single-family homes, but still desire spacious accommodations with all the amenities and conveniences of a condominium.

There are several similar products that are currently on the market or being built. They include projects in Oak Park, LaGrange, Elmhurst and other communities.

This proposed project offers a higher level of amenities than those mentioned above, and we anticipate a good demand for this condominium units from the residents of River Forest.

We see this project as highly desirable for the location and based on our experience. It will significantly strengthen the values of the surrounding properties.

The project has better characteristics and charm than similar projects in River Forest and in other surrounding communities.



Andy Gagliardo
Broker Owner

Jameson

Sotheby's
INTERNATIONAL REALTY

425 West North Ave
Chicago, IL 60610
t 312.751.0300
f 312.751.2808
jamesonsir.com

January 30, 2018

Jameson Sotheby's International Realty has been a leading real estate firm in the Chicago area for over 50 years and is sensitive to the needs of the community and well versed in current market conditions.

The proposed condominium project by Lake Lathrop Partners LLC will be highly desirable for long time River forest home owners seeking to downsize yet continue to side in their community. This development offering quality built units and generous square footage, gives River Forest residents an opportunity to maintain the level of comfort and convenience they have enjoyed in their homes.

Jameson Sotheby's International is currently marketing comparable developments in Oak Park and has been involved in similar projects in the past. We anticipate a high level of demand for the condominium units in this development.

In my opinion this development will have a very positive impact on the surrounding property values and will be an asset to our community.

Sincerely Yours,



Cory Robertson

FINANCIAL CAPABILITY

The principals of Lake Lathrop Partners LLC have at any given time more the \$100,000,000 worth of projects under construction. All of the projects have owners' equity and bank financing.

The development cost for the proposed project is estimated at \$20,000,000 construction financing will be provided by a Bank. The Owners are capable of funding the Owners Equity component of the development cost.



SEDGWICK
DEVELOPMENT

KEYSTONE VENTURES

REAL ESTATE DEVELOPMENT



Republic Bank

March 2, 2018

Mr. Marty Paris
Lake Lathrop Partners, LLC
1525 W. Homer St.
Suite 401
Chicago, IL 60642

RE: Lake & Lathrop Mixed Use Project
River Forest, Illinois

Dear Mr. Paris,

Thank you for considering Republic Bank for your credit needs. We understand that you intend to construct a Mixed-use condominium and retail building at 7601-7621 Lake Street in River Forest, Illinois at a cost of approximately \$30 Million.

We have reviewed the request for financing the construction of this project which you submitted to us, which included the construction budget, financial projections, site plans, etc., and are highly interested in providing financing for the project. Such financing would be subject to a minimum of 40% of the units being pre-sold to qualify for financing. The final terms and conditions of a loan would be subject to approval by our Bank Loan Committee, along with completion of our due diligence and further analysis, our underwriting, the appraisal, and market conditions.

Sincerely,

Republic Bank of Chicago

Chris Norman
Group Senior Vice President
Real Estate Banking Group