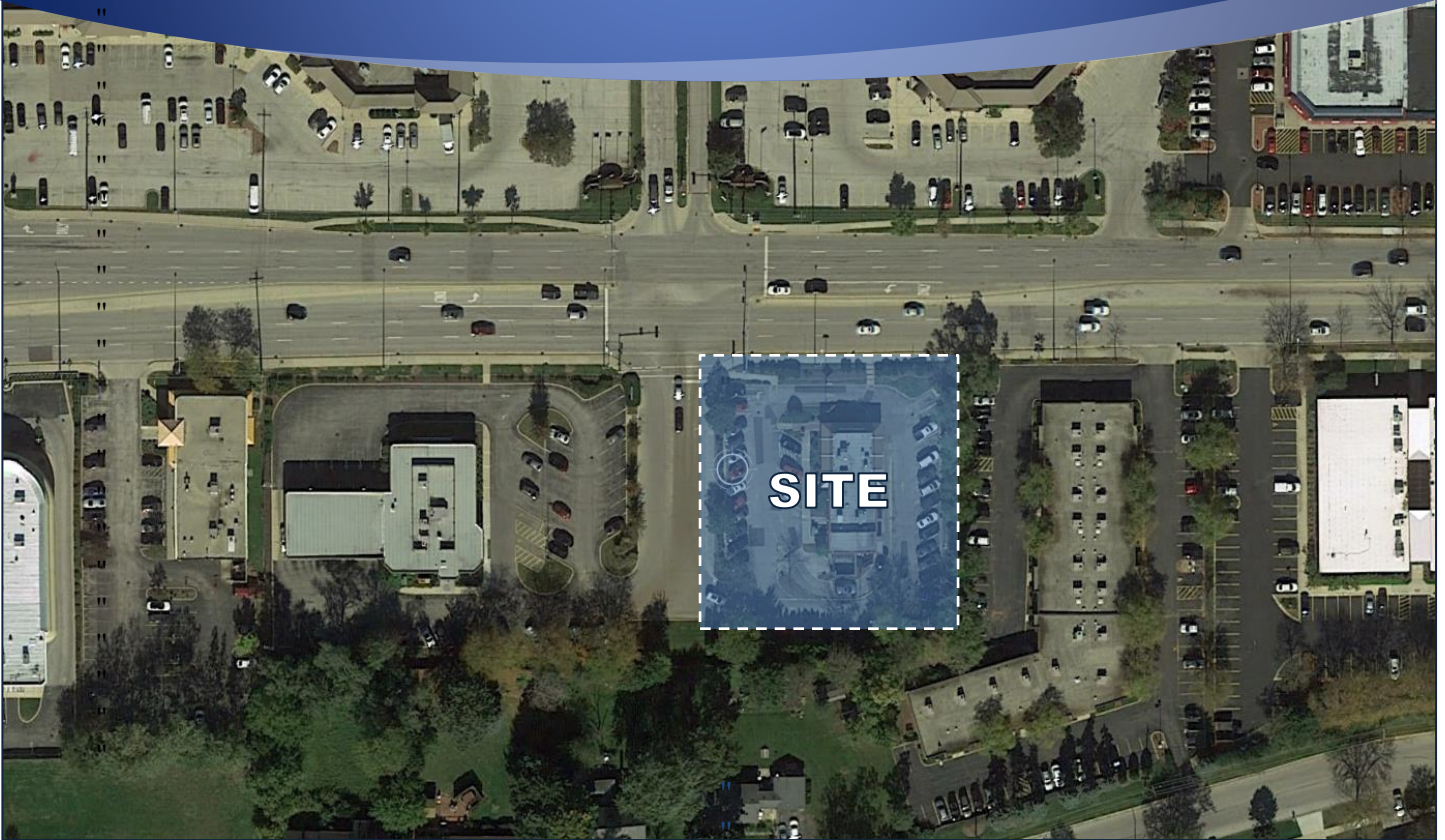


# Vtchle "K r cev"Uwf { "cpf "Rctnkp i "Gxcnxcvkqp" Proposed McDonald's Remodel

Ctrkpi vqp "J gi j vu. "Krkpqku"



Rtgr ctgf "Hqt<"



Lxpg"33."423; "

# 1. Introduction

Vj ku'tgr qt v'wuo o ctk gu'vj g'o gvj qf qm q'gu. "tguwu. "cpf "hpf kpi u"qh'c "tchle"ko r cev'uwf { "cpf "c" r ctnkpi "gxcnvcvkqp"eqpf wevgf "d { "Mgpli . "Nkpf i tgp. "Qol etc. "Cdqqpc. "Kpe0"MNQC. "Kpe0"ht "vj g" r tqr qugf "tgo qf gnlq'h'j g"gzkukpi "O eF qpcnf au'f tkg/vj tqwi j "tgucwcpv'qecvgf "cv67'G0I qrh'Tqcf " kp"Ctnkpi vqp"J gki j w. "Kkpqku0Vj g"gzkukpi "cr r tqzko cvgn { "5.522"us wctg/hqqv'O eF qpcnf au'f tkg/ vj tqwi j "tgucwcpv'r tqxkf gu"c" wcpf go "f tkg/vj tqwi j "cpf "59"r ctnkpi "ur cegu"qh'y j lej "vy q"ctg" qeewr kgf "d { "c"t'cu'j "tgegr weng0Ceegu"v'q"vj g"gzkukpi "dwnf kpi "ku'r tqxkf gf 'xlc'c'uj ctgf "ceegu'tqcf " y j lej "j cu"c"uki pcrk gf "kpgtugevkqp"y kj "I qrh'Tqcf "cr r tqzko cvgn { "; 22"hg'v'gcu'qh"Ctnkpi vqp" J gki j wTqcf 0Cu'r tqr qugf . "vj g"gzkukpi "dwnf kpi "y kn'dg'tgo qf grgf "cpf "vj g'ukg'y kn'dg'o qf kkgf " vq'r tqxkf g'f wcnf tkg/vj tqwi j "rcpgu0Vj g'pwo dgt "qh'r ctnkpi "ur cegu"qp'ukg'y kn'dg'tgf wegf "vq"520" "

Vj g'r wtr qug'qh'vj ku'uwf { "y cu'q"gzco kpg'dceni tqwpf "tchle"eqpf kkpqu. "cuugu"vj g'ko r cev'vj cv'vj g" r tqr qugf "tgo qf gnl'j kxg'qp'tchle"eqpf kkpqu"qp'ukg'cpf "kp'vj g'ctgc. "f gvgto kpg'k'cp { "tqcf y c { " qt"ceegu"ko r tqxgo gpw'ctg"pgeguuct { . "cpf "kf gpvkh { "vj g"gzkukpi "r ctnkpi "uwr r n { "cpf "ku'cf gs wce { " kp"ceeqo o qf cvkpi "vj g'hwwt g'r ctnkpi "f go cpf 0Figure 1"uj qy u'vj g'qecvkqp"qh'vj g'ukg'kp'tgrcvkqp" vq'vj g'ctgc'tqcf y c { "u { ugo 0Figure 2"uj qy u'cp"cgtkcn'xkgy "qh'vj g'ukg0" "

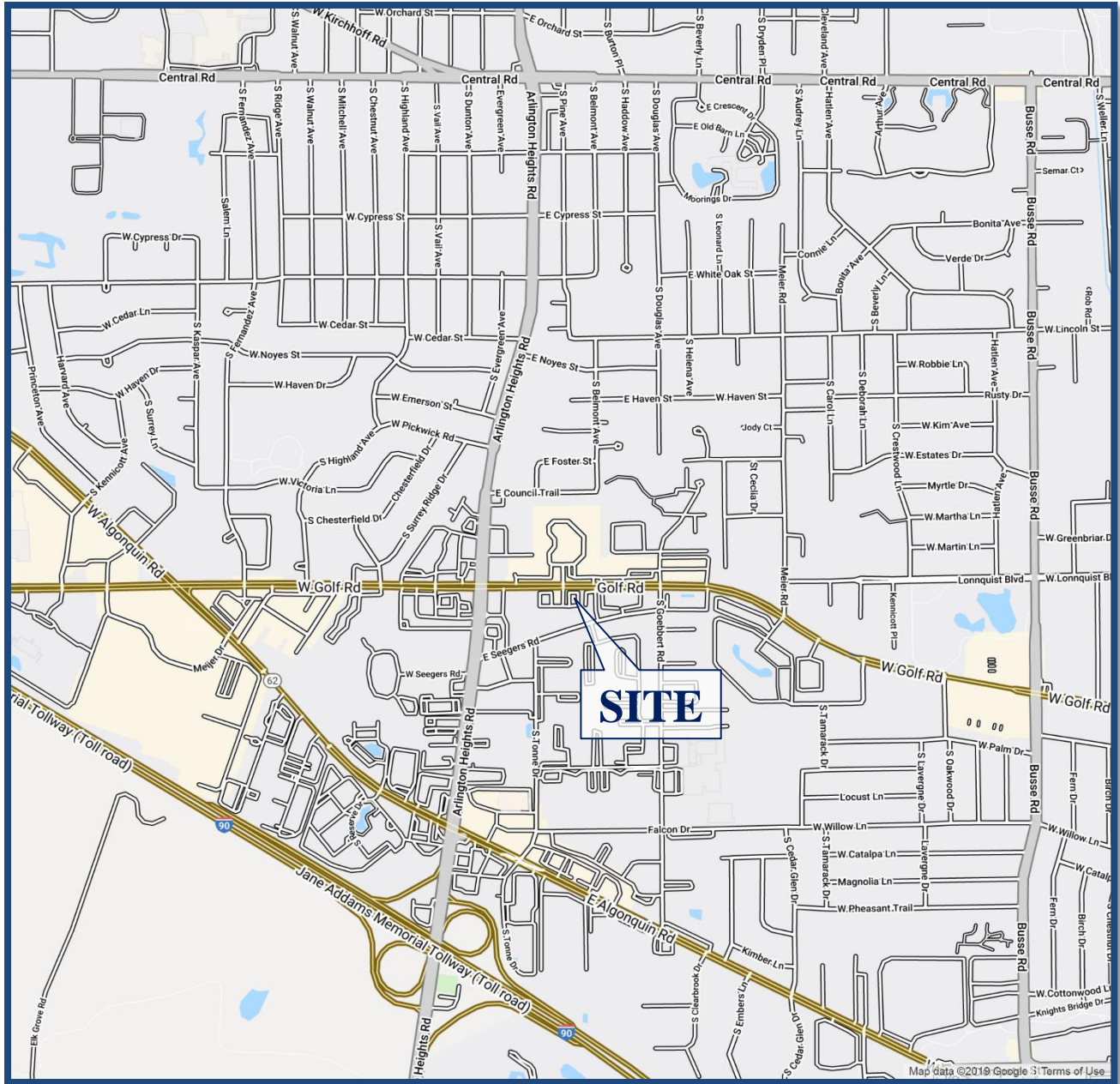
Vj g'ugevkpu'qh'vj ku'tgr qt v'r tgugpv'vj g'hqmvy kpi <"

- Gzkukpi "tqcf y c { "eqpf kkpqu"cpf "ukg"qr gtcvkpu"
- C" f guetk vkqp"qh'vj g'r tqr qugf "tgo qf gn"
- Xgj kerg'vkr "i gpgtcvkqp"ht "vj g'tgo qf gn"
- Hwwt g'tchle"eqpf kkpqu'kpenf kpi "ceegu"v'q"vj g'tgo qf gn"
- Vtchle"cpn { ugu"ht "vj g"y ggnf c { "o qtpkpi . "y ggnf c { "o k f f c { . "y ggnf c { " gxgplkpi . "cpf " Ucwtf c { "o k f f c { "r gcnl'j qwtu"
- Tgeqo o gpf cvkpu'y kj "tgr gev'q'cf gs wce { "qh'vj g'ukg"ceegu'cpf "cf lcegpvtqcf y c { "u { ugo "
- Qp/ukg'ekewrcvkqp"cpf "f tkg/vj tqwi j "ucenkpi "gxcnvcvkqp"
- Rctnkpi "gxcnvcvkqp"

Vtchle"ecr cek { "cpn { ugu'y gtg"eqpf wevgf "ht "vj g'y ggnf c { "o qtpkpi . "y ggnf c { "o k f f c { . "y ggnf c { " gxgplkpi . "cpf "Ucwtf c { "o k f f c { "r gcnl'j qwtu"ht "vj g'hqmvy kpi "eqpf kkpqu"<"

30 Gzkukpi "Eqpf kkpqu"o"Cpn { | g'vj g'ecr cek { "qh'vj g'gzkukpi "tqcf y c { "u { ugo "wukpi "gzkukpi " r gcnl'j qwt"tchle"xqnxo gu'lp'vj g'uwtqwpf kpi "ctgc0"

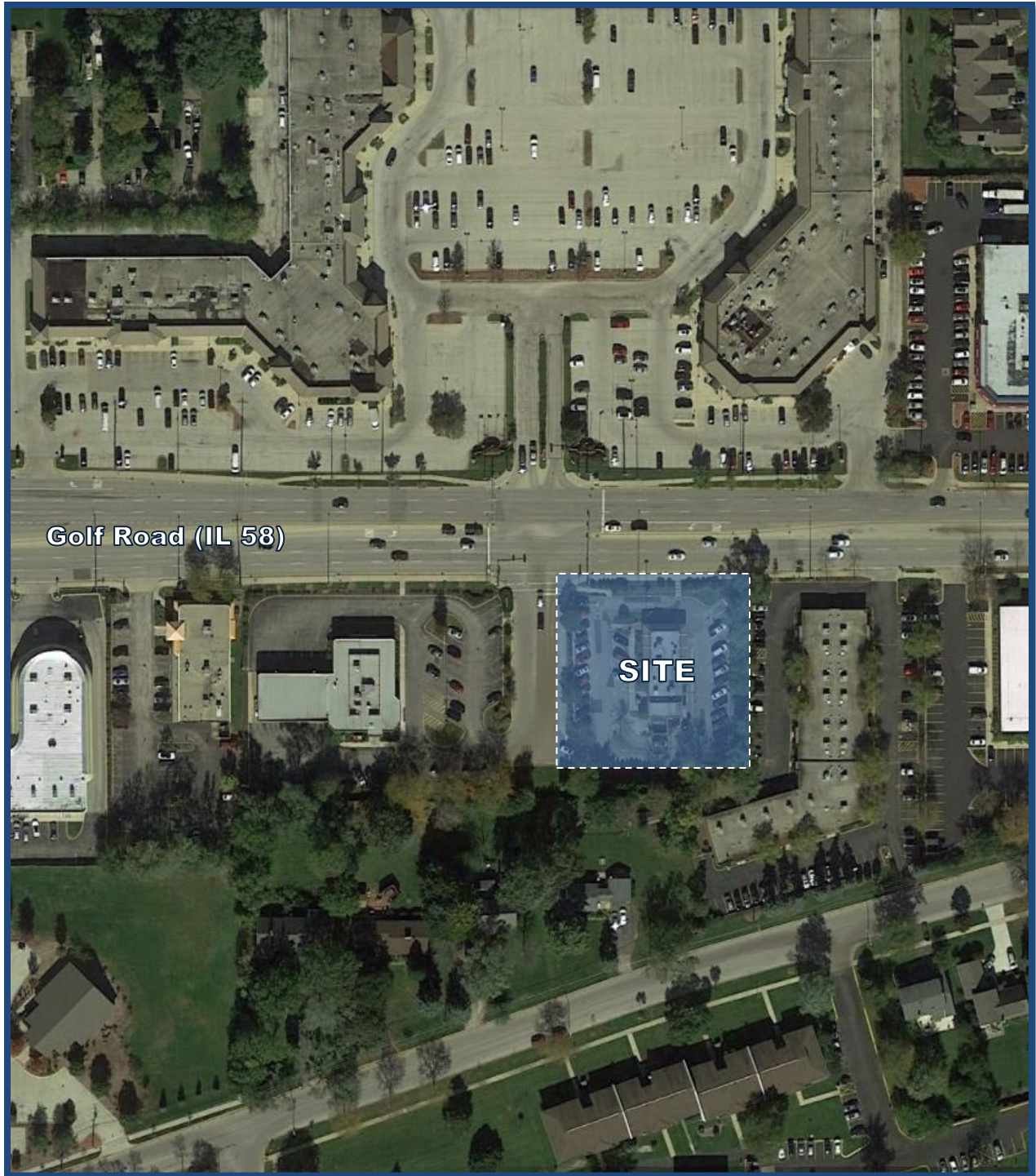
40 Rtqlgevgf "Eqpf kkpqu"o"Cpn { | g'vj g'ecr cek { "qh'vj g'hwwt g'tqcf y c { "u { ugo "wukpi "r tqlgevgf " vtchle"xqnxo gu"vj cv'kpenf g"vj g"gzkukpi "vtchle"xqnxo gu."co dlcpv'tchle"i tqy vj "cpf "vj g" kpetgcug'lp'tchle"guwko cvgf "vq"dg'i gpgtcvgf "d { "vj g'r tqr qugf "tgo qf gn0"



Site Location

Figure 1





**Aerial View of Site**

**Figure 2**

## 2. Existing Conditions

Gzknkpi "tcpur qtvcvkp"eqpf kkpup"lp"vj g'xlekpky"qh'vj g'ukg'y gtg'f qewo gpvgf "dcugf"qp'hkgrf "xluku" eqpf wevgf "d{"MNQC."Kpe0'kp"qtf gt"vq"qdvckp"cf c'vcdug"htq"r tqlgvki "hwwtg"eqpf kkpup'Vj g' hmqy kpi "rtqxf gu"cf f'guetk vkp"qh'vj g'i gqi tcr j lecn'qecvkp"qh'vj g'ukg."r j {ulecn'ej ctcevgtku" qh'vj g'ctgc'tqcf y c { 'u{ ugo 'kpenw kpi 'hpg'wuci g'cpf 'tchle"eqpvtqnf gxlegu."cpf "gzknkpi 'r gcnlj qwt " tchle"xqmo gu0

Gzknkpi "O eF qpcrf au" f tkxg/Vj tqwi j "Tgucwcpv"Qr gtcvkpu"

Ukg"Nqecvkp"

"

Vj g'gzknkpi "O eF qpcrf au" f tkxg/vj tqwi j "tgucwcpv"ku"mcevgf "kp"vj g'uqwj gcuv"eqtpgt"qh'vj g' uki pcrk gf 'lpvgtugevkp"qh'I qh'Tqcf 'y kj 'vj g'lpvgtpcvkpcnRrc| c'ceegu'f tkxg'cpf 'vj g'uj ctgf 'Ej cug" DcpmO eF qpcrf au'ceegu'tqcf 0Ncpf 'wugu'lp"vj g'xlekpky"qh'vj g'ukg'kpenw g'vj g'lpvgtpcvkpcnRrc| c" Uj qr r kpi 'Egpgt'vq'vj g'pqtj . 'vj g'I qh'Rrc| c'QHleg'Rctm'vq'vj g'gcuv.'tgukf gpvkn'vq'vj g'uqwj . "cpf" Ej cug"Dcpm'vq'vj g'y gu0"

"

Ukg"Qr gtcvkpu"

"

Wpf gt"gzknkpi "eqpf kkpup."cm'tgucwcpv'tchle"gpvgtu"cpf "gzku'vj g'ukg'xlc'vj g'uj ctgf "ceegu'tqcf " vj cv'twpu"cmppi "vj g'ukg'au'y guvgtp"dqtf gt"cpf "r tqxf gu"ceegu'vq"vj g'ukg'cr r tqzko cvgn' "442"hggy' uqwj "qh'ku'uki pcrk gf 'lpvgtugevkp'y kj 'I qh'Tqcf 0Vj g'ukg'ceegu'f tkxg'qhh'vj g'uj ctgf "ceegu'tqcf " ku'hqecvgf "kp"vj g'uqwj y guv'eqtpgt'qh'vj g'ukg'cpf "r tqxf gu"qpg'kpdqwpf 'hpg'cpf "qpg'qwdqwpf 'hpg" y kj "qwdqwpf "o qxgo gpw'wpf gt"uqr "uki p"eqpvtqnf Y kj kp"vj g'ukg."cm'tchle"qr gtcvgu'kp"cf "qpg/ y c { "eqwpvgtemeny kug"ftgevkp0W'qp"gpvgtkpi "vj g'ukg."cm'xgi kengu'tcxgn'cmppi "vj g'uqwj . "vj gp" gcuv."vj gp"pqtj "f tkxg'ckung'y j kej "r tqxf g'ugxgp."37."cpf" | gtq"cpf ngf "r ctnkpi "ur cegu"cmppi "vj g" qwu'f g'qh'vj g'ukg."tgu'gevggn' 0Vj g'hqwt'pqtj gtpo quv'ur cegu'qp'vj g'gcuv'f tkxg'ckung'ctg'f guki pcvgf " hqt"ftkxg/vj tqwi j "ewuqo gtu'y ckki "hqt"vj gk"qtf gtu0K'uj qwf "dg"pqvgf "vj cv'uqo g'xgi kengu'y gtg" qdugt'xgf "vq"gpvgt'vj g'ukg'cpf "ko o gf kvgn' "o cng"cf "ngh'wtp"qp'vq'vj g'y guv'f tkxg'ckung'cpf "tcxgn'vj g" y tqpi "ftgevkp'kp"qtf gt"vq"ceegu'vj g'r ctnkpi "ur cegu'vj gtg0Vj g'y guv'f tkxg'ckung'r tqxf gu"34'cpi ngf " r ctnkpi "ur cegu"cmppi "vj g'qwu'f g'qh'vj g'ukg'cpf "vj tgg'ur cegu"cmppi "vj g'hceg'qh'vj g'dwrf kpi 0Cv'ku" uqwj "gpf . "vj g'y guv'f tkxg'ckung'ur rku'kp'vq'y q'ugr ctcvg"rpgu."qh'y j kej "qpg'rpg"eqppgew'vq"vj g" ceegu'f tkxg'qhh'vj g'uj ctgf "ceegu'tqcf "cpf "vj g'q'vj gt'hqto u'vj g'dgi kppkpi "qh'vj g'f tkxg/vj tqwi j 'hpg0 Vj g'f tkxg/vj tqwi j "rpg"eqpvkwgu"cmppi "vj g'uqwj "cpf "gcuv'hcegu'qh'vj g'dwrf kpi "y j gtg'k'twpu" r ctemgn'vq'vj g'uqwj "cpf "gcuv'f tkxg'ckungu0Vj g'f tkxg/vj tqwi j 'hpg'r tqxf gu'ucen'kpi "hqt"y q'xgi kengu" dgvy ggp"vj g'r c { o gpv'y kpf qy "cpf "vj g'r kenw'r "y kpf qy . "y q'xgi kengu"dgvy ggp"vj g'qtf gkpi "dqctf u" cpf "vj g'htu'f c { o gpv'y kpf qy . "cpf "cr r tqzko cvgn' "hxg'xgi kengu'htqo "vj g'qtf gkpi "dqctf u'hqt"cf "vkn' qh'cr r tqzko cvgn' "pkpg" xgi kengu' **Figure 3**"uj qy u" cp" cgtkn' r j qvq" f gckkpi "gzknkpi "qp/ukg" ekewrckp0

"

"

MNQC."Kpe0eqpf wevgf "uwtxg{u'q'f gvgto kpg"vj g'gzkupi 'tchle"i gpgtcvgf "d{ 'vj g'tguvwtcpv\*y cm/  
 kpu"cpf "ftkxg/vj tqwi j u+cu'y gm'cu'ftkxg/vj tqwi j "ucenkpi 0Vj g'uwtxg{u'y gtg'eqpf wevgf "htqo "9-22"  
 C00 0\q"9-22"R00 0qp"Vj wtuf c{."O c{"38."423; "cpf "Ucwtfc{."O c{"3: ."423; 0C"uwo o ct{"qh'vj g"  
 vkr "i gpgtcvkqp"cpf "ftkxg/vj tqwi j "ucenkpi ."y j lej "uwo o ct{ gu'vj g'r gcm'ucenkpi "qdugtvgf "hqt"vj g"  
 qpg/j qwt'r gtkqf u.'ku'uj qy p'kp"Tables 1A, 1B, cpf "2."tgur gevkgf{0  
 "

Dcugf " qp" qdugtvcvkpu" eqpf wevgf " d{ " MNQC." Kpe." pqtvj dqwpf " s wgwgu" qp" vj g" uj ctgf "  
 O eF qpcrf auEj cug"Dcpm'ceegu'tqcf au'kpvgtugevkqp'y kj "I qrh'Tqcf "f kf "pqv'gz vgpf "vq'vj g'mecvkqp"  
 qh" vj g" O eF qpcrf au" ceegu" f tkxg0' Hwtvj gt." pqtvj dqwpf " s wgwgu" y gtg" qdugtvgf " vq" ergct" vj g"  
 kpvgtugevkqp'y kj "gcej "i tggp"e{erg0Cu'uwej ."vj gug'pqtvj dqwpf "s wgwgu'f kf "pqv'dmjen'xgj kergu'htqo "  
 gz kkp "vj g'O eF qpcrf au'qt"Ej cug"Dcpm'ukgu"cpf "f kf "pqv'ko r cev'vj g'kpvgtpcn'ekewevkqp"qh'gkj gt"  
 ukgo'  
 "  
 "





Existing On-Site Circulation

Figure 3

Vcdrg"3C"

GZ KUVK I "UKVG/I GP GTCVGF "VTCHHE "6"Y GGMFC[ "

Time of Day	Total Inbound Traffic	Total Outbound Traffic	Total Site Traffic		Inbound Drive Through Traffic	Inbound Walk-In Traffic
9-22"CO "	; 7"	; 9"	3; 4	"	8; "	48
: 22"CO "	; 4"	; 2"	3: 4	"	8: "	46
; 22"CO	9; "	97"	376	"	68"	55
32-22"CO	95"	98"	36;	"	6; "	46
33-22"CO	; 5"	; 8"	3: ;	"	84"	53
34-22"RO	32; "	329"	438	"	8; "	62
3-22"RO	: 5"	; 7"	39:	"	7: "	47
4-22"RO	84"	8: "	352	"	66"	3:
5-22"RO	98"	95"	36;	"	75"	45
6-22"RO	89"	95"	362	"	66"	45
7-22"RO	84"	83"	345	"	6; "	35
8-22"RO	76"	82"	336	"	65"	33

"

"

"



Vcdrg"3D"

GZ KUVK I "UKVG/I GP GTCVGF "VTCHHE "6"UCVWTF C[ "

Time of Day	Total Inbound Traffic	Total Outbound Traffic	Total Site Traffic		Inbound Drive Through Traffic	Inbound Walk-In Traffic
9-22"CO "	93"	83"	354	"	57"	58
: 22"CO "	; 5"	: 6"	399	"	7; "	56
; 22"CO	: 5"	: 8"	38;	"	77"	4:
32-22"CO	323"	; 5"	3; 6	"	8; "	54
33-22"CO	; 3"	325"	3; 6	"	76"	59
34-22"RO	33; "	339"	458	"	8: "	73
3-22"RO	; ; "	327"	426	"	82"	5;
4-22"RO	: 8"	: 8"	394	"	79"	4;
5-22"RO	74"	7; "	333	"	5: "	36
6-22"RO	84"	84"	346	"	59"	47
7-22"RO	73"	79"	32:	"	57"	38
8-22"RO	63"	65"	: 6	"	45"	3:

"

"

"

Vcdrg"4"

GZ KUVKPI 'RGCM'J QWTN' 'FTK&G/VJ TQW J 'UVCEM&PI "

Time of Day	Peak Stacking – Weekday <sup>1</sup>				Peak Stacking – Saturday <sup>1</sup>		
	Stacking from Ordering Board	Stacking from Pick-Up Window	Total Drive-Through Stacking		Stacking from Ordering Board	Stacking from Pick-Up Window	Total Drive-Through Stacking
9-22"CO "	4"	6"	6	"	8"	5"	9
: 22"CO "	6"	6"	8	"	7"	6"	9
; 22"CO	2"	6"	4	"	4"	5"	5
32-22"CO	6"	6"	8	"	6"	4"	6
33-22"CO	; "	6"	13	"	6"	6"	8
34-22"RO	9"	6"	11	"	8"	6"	10
3-22"RO	8"	6"	10	"	7"	6"	9
4-22"RO	5"	3"	4	"	8"	5"	9
5-22"RO	5"	6"	7	"	4"	6"	6
6-22"RO	5"	5"	6	"	4"	6"	6
7-22"RO	3"	4"	3	"	3"	6"	5
8-22"RO	3"	5"	4	"	5"	6"	7
30Tgr tguwpw'yj g'r gcn'lucen'pi "qdugt xgf 'hqt" gcej "j qwt"							

"

"

"

## Gzknkpi 'Tqcf y c{ 'U{ ugo 'Ej ctcevgtknku

Vj g'ej ctcevgtknku'qh'vj g'gzknkpi 'tqcf y c{ u'pget 'vj g'tguvwtcpv'ctg'f guetldgf 'dgrqy 'cpf 'knuwtcvf "kp'**Figure 40**

"  
*Golf Road (Illinois Route 58)* ku'cp'gcu'v y guv'qvj gt'r tpekr en'ctvgtkn'tqcf y c{ 'vj cv'r tqxkf gu'vj tgg" rpgu'kp'gcej 'f ktgevqp0Cv'ku'uki pcrk' gf 'kpvtugevqp'y kj 'vj g'kpvtpcvqp'cn'Rrc| c'ceegu'f tkxg'cpf " 'vj g'uj ctgf 'O eF qpcrf auEj cug'Dcpni'ceegu'tqcf . 'I qh'Tqcf 'r tqxkf gu'cp'gzenwuxg'ghv/wtp'rcpg." wy q'vj tqwi j 'rcpgu.'cpf 'c'eqo dkgf 'vj tqwi j ltki j v'wtp'rcpg'qp'dqvj 'cr r tqcej gu'0K'uj qwr' 'dg'pqvgf " 'vj cv'cr r tqzko cvgn{ "522'hggv'gcu'v'qh'vj ku'kpvtugevqp." 'I qh'Tqcf 'pcttqy u'v'q'vy q'rcpgu'kp'gcej " f ktgevqp0I qh'Tqcf 'ku'wpf gt'vj g'lwtkuf kvqp'qh'vj g'knpqku'F gr ctwo gpv'qh'Vtcur qt'cvkqp'\*KF QV+." j cu'c'r quvgf 'ur ggf 'rko kv'qh'62"o r j . 'ku'f guki pcvgf 'cu'c'Utevgi ke'Tgi kqpcn'Ctvtkn'\*UTC+."cpf 'ku' r ctv'qh'vj g'Ctrkpi vqp"J gli j w'Tqcf lKN"7: lKN"84"kpvtgeqppge'v'u{ ugo . 'eqo r tkkpi 'c'vqcn'qh'43" uki pcrk' gf 'kpvtugevqp0Ceeqtf kpi 'v'KF QV.'I qh'Tqcf 'j cf 'c'4239'CpwwenCxgtci g'F ckn{ 'Vtchle" \*CCF V+xqno g'qh'4; .422'xgj kengu'cmppi 'vj g'ukg'htqpvc i g0"

"  
*The Shared McDonald's/Chase Bank Access Road* ku'c"pqtvj /uqwj 'f tkxgy c{ 'vj cv'r tqxkf gu'qpg" uqwj dqwpf "rcpg"cpf "wy q'pqtvj dqwpf "rcpgu'0Cv'ku'uki pcrk' gf 'kpvtugevqp'y kj "I qh'Tqcf ."vj g" uj ctgf 'ceegu'tqcf 'hqtu u'vj g'uqwj 'rqi 'qh'vj g'kpvtugevqp'cpf 'r tqxkf gu'cp'gzenwuxg'ghv/wtp'rcpg" cpf 'c'eqo dkgf 'vj tqwi j ltki j v'wtp'rcpg0Vj g'pqtvj 'rqi 'qh'vj ku'kpvtugevqp'ku'vj g'kpvtpcvqp'cn'Rrc| c" ceegu'f tkxg."y j kej 'r tqxkf gu'cp'gzenwuxg'ghv/wtp'rcpg'cpf 'c'eqo dkgf 'vj tqwi j ltki j v'wtp'rcpg0"

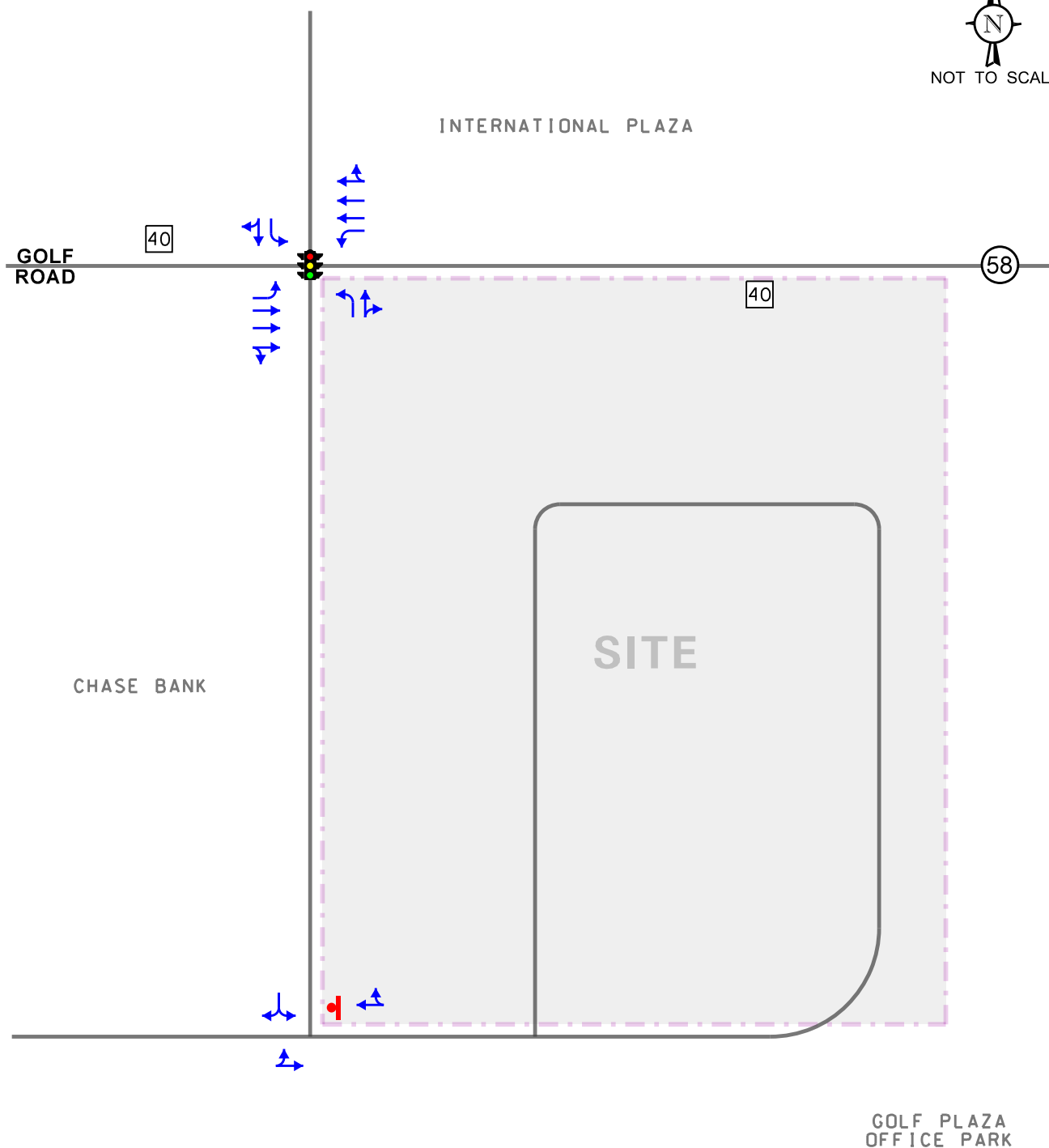
## Gzknkpi 'Vtchle'Xqno gu

kp"qtfgt'v'f gvgto kpg'ewtgpv'xgi keng."r gf gu'kcp."cpf "dle{eng"eqpf kkp'u'y kj kp'vj g'uwwf { "ctgc." MNQC." kpe'eqpf wevgf "r gcn'r g'kqf " vtchle." r gf gu'kcp."cpf "dle{eng"eqwp'u'cv'vj g'hmqy kpi " kpvtugevqp<"

- I qh'Tqcf 'y kj 'vj g'kpvtpcvqp'cn'Rrc| c'Ceegu'F tkxg'cpf 'vj g'Uj ctgf 'O eF qpcrf auEj cug' Dcpni'ceegu'Tqcf "
- Vj g'Uj ctgf 'O eF qpcrf auEj cug'Dcpni'ceegu'Tqcf 'y kj 'vj g'O eF qpcrf au'Ceegu'F tkxg'cpf " 'vj g'Ej cug'Dcpni'ceegu'F tkxg"

"  
Vj g'vtchle"eqwp'u'y gtg'eqpf wevgf "qp"Vj wuf c{ ."O c{ "38."423; "f wtkpi 'vj g'o qtpkpi \*9-22'C00 0'v' ; 22'C00 0: 'b k f c{ \*33-52'C00 0'v'3-52'R00 0: 'cpf 'gxgplkpi \*6-22'R00 0'v'8-22'R00 0: 'r gcn'r g'kqf u' cpf "qp"Ucwtf c{ ."O c{ "3: ."423; "f wtkpi 'vj g'o k f c{ \*33-52'C00 0'v'3-52'R00 0: 'r gcn'r g'kqf 0'Vj g" tguwu'qh'vj g'vtchle"eqwp'u'uj qy 'vj cv'vj g'r gcn'j qwtu'qh'vtchle'i gpgtcm{ 'qeewt'dgy ggp'9-52'C00 0' cpf ": 52'C00 0'f wtkpi 'vj g'y ggnf c{ "o qtpkpi "r gcn'r g'kqf ."dgy ggp"33-52'C00 0'cpf "34-52'R00 0' f wtkpi 'vj g'y ggnf c{ "o k f c{ "r gcn'r g'kqf ."dgy ggp"6-52'R00 0'cpf "7-52'R00 0'f wtkpi 'vj g'y ggnf c{ " gxgplkpi "r gcn'r g'kqf ."cpf "dgy ggp"33-67'C00 0'cpf "34-67'R00 0'f wtkpi 'vj g'Ucwtf c{ "o k f c{ "r gcn' r g'kqf 0'Eqr kgu'qh'vj g'vtchle"eqwp'u'owo o ct{ "uj gg'u'ctg"lpenw'gf "kp'vj g'Cr r gpf kz0'**Figure 5** knuwtcvu'vj g'gzknkpi 'r gcn'j qwt'xgj keng'vtchle'xqno gu0"



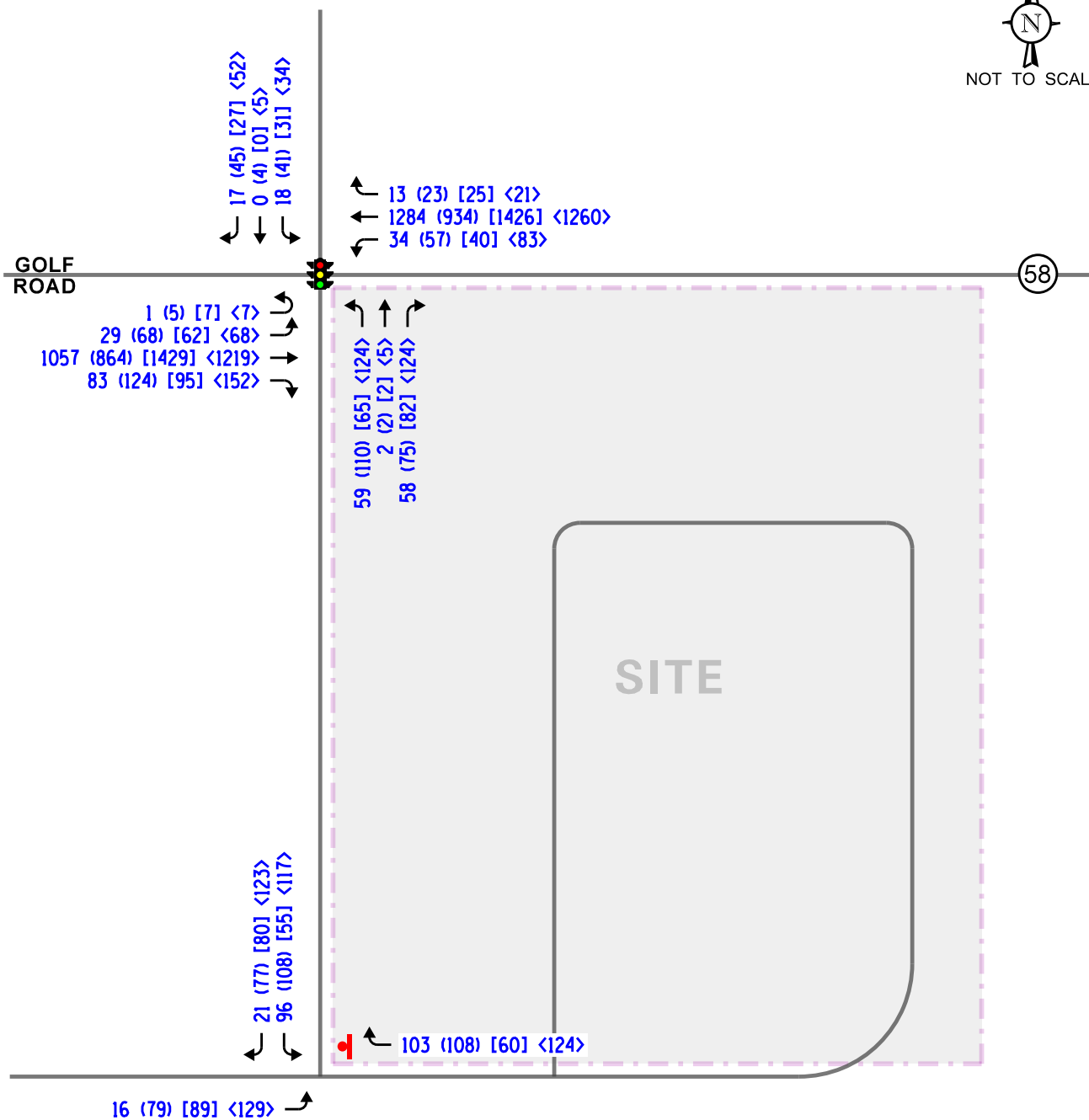


- LEGEND**
- TRAVEL LANE
  - TRAFFIC SIGNAL
  - STOP SIGN
  - SPEED LIMIT

Proposed McDonald's  
Remodel  
Arlington Heights, Illinois

### Existing Roadway Characteristics

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.  
Job No: 19-121      Figure: 4



**LEGEND**

- 00** - WEEKDAY AM PEAK HOUR (7:30-8:30 AM)
- (00)** - WEEKDAY MIDDAY PEAK HOUR (11:30 AM-12:30 PM)
- [00]** - WEEKDAY PM PEAK HOUR (4:45-5:45 PM)
- [00]** - SATURDAY MIDDAY PEAK HOUR (11:45 AM- 12:45 PM)

Proposed McDonald's  
Remodel  
Arlington Heights, Illinois

Existing Traffic Volumes

## Etcuj "Cpcn{uku"

"

MNQC."Kpe0qdvclpgf "ceekf gpv'f cvc'hqt'yj g'b quv'tgegpv'cxckndng'r cuv'hkxg"{ gctu"\*4235"vq"4239+"hqt"  
 yj g" kpvgtugevkqp" qh" I qh" Tqcf " y kj " yj g" kpvgtpcvkqpcl' Rnc| c" ceeguu" ftkxg" cpf " yj g" uj ctgf "  
 O eF qpcrf ouEj cug"Dcpni'ceeguu"tqcf 0'C"tgxlg y "qh'yj g"etcuj "f cvc"tgxgcrgf "pq"hcvcrlkgu"y gtg"  
 tgr qtvgf "cv'yj g"lpgvtugevkqp"f wtkpi "yj g"4235"vq"4239"r gtlqf 0'C"uwo o ct { "qh'yj g"etcuj "f cvc"lqt'yj ku"  
 kpvgtugevkqp"ku'uj qy p'lp"Table 3.<sup>1</sup>"

Vcdng"5"

I QNH'TQCF "Y KJ "VJ G"R VGTP CVKQPCN'RNC\ C"CEEGUU'FTKXG'CPF "VJ G"UJ CTGF "  
 OEF QPCNF ouEJ CUG'DCPM'CEEGUU'TQCF "/"ETCU "UWO OCT[ "

Type of Accident Frequency							
Year	Angle	Object	Rear End	Sideswipe	Turning	Other	Total
4235"	2"	2"	3"	2"	3"	2"	4"
4236"	2"	2"	3"	2"	2"	2"	3"
4237"	3"	2"	5"	2"	2"	2"	6"
4238"	2"	2"	2"	2"	2"	2"	2"
4239"	2"	2"	5"	2"	2"	2"	5"
<b>Total</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10</b>
<b>Average/Year</b>	<b>&lt;1.0</b>	<b>--</b>	<b>1.6</b>	<b>--</b>	<b>&lt;1.0</b>	<b>--</b>	<b>2.0</b>

"

"

\*\*\*\*\*

<sup>3</sup>"IDOT"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."



### 3. Traffic Characteristics of the Remodel

"  
"

Kp"qtf gt"v"r tqr gtn{ "gxcnwvg"hwwtg"tchhke"eqpf kkpup"lp"vj g"uwttqwpf kpi "ctgc."k'y cu'pgeguuct { "vq" f gyto kpg"vj g"tchhke"ej ctcevgtkuqeu"qh"vj g'r tqr qugf 'tgo qf gngf 'tgucwtcpv.'kpenw kpi 'vj g'f kgevkpcn' f kntkdwkqp"cpf "xqmo gu"qh'tchhke"vj cv'k'y kni gpgtcvg0"

Rtqr qugf 'Tgucwtcpv'Tgo qf gni"

Cu'r tqr qugf ."vj g'tgucwtcpv'y kni'dg'tgo qf gngf "cpf "vj g'f tkxg/vj tqwi j "y kni'dg"o qf kkgf "vq'r tqxkf g" f wcnf tkxg/vj tqwi j "rcpgu0Vj g'pwo dgt"qh'r ctnkpi "ur cegu'y kni'dg'tgf wegf "cu'c'tguwn'htqo "59"ur cegu" vq"52"ur cegu0Ceegu"vq"vj g'tgucwtcpv'y knieqpvkpwg"vq"dg'r tqxkf gf "xk"vj g'gzkukpi "ceegu"f tkxg"qh"vj g"uj ctgf "ceegu"tqcf "vj cv'ku'uki pcrk gf "cv'ku'kpwgtugevkp"y kj "I qrh"tqcf 0Ceegu"vq"vj g'f tkxg/vj tqwi j "rcpgu'y knieqpvkpwg"vq"dg'r tqxkf gf "qp"vj g'y guvukf g"qh"vj g'dwrf kpi "y kj "xgj kengu'eqpvkpwkpi " vq"dg'tgs wktgf "vq"ekewrcvg"vj g"ukg"vq"ceegu"vj g'gpvcpeg"vq"vj g'f tkxg/vj tqwi j "rcpgu0Vj g'f tkxg/vj tqwi j "y kni'r tqxkf g'f wcnqtf gt kpi "rcpgu'y kj "gcej "rcpg'r tqxkf kpi "ucenkpi "hqt"cr r tqzko cvgn{ "hwt" xgj kengu0Chgt "vj g'qtf gt kpi "dqctf u."vj g'rcpgu'y kni'o gti g'lpvq"u'kpi ng'f tkxg/vj tqwi j "rcpg'cnp"i "vj g" vj g"gcuv"ukf g"qh"vj g'dwrf kpi "y kj "ur ceg"hqt"cr r tqzko cvgn{ "hwt"xgj kengu'dgy ggp"vj g"qtf gt kpi " dqctf u"cpf "vj g'htuwr c{o gpvy kpf qy 0Cp"cf f kkpccn'ly q'xgj kengu'y kni'dg'cdrg"vq"ucenkdgvy ggp"vj g" r c{o gpvy kpf qy "cpf "vj g'r kni'wr "y kpf qy ."r tqxkf kpi "c"vqcnucenkpi "qh"cr r tqzko cvgn{ "36"xgj kengu0 C"eqr { "qh"vj g'r tgrko kpct { "ukg'r rcpg'ku'kpenw gf "kp"vj g"cr r gpflz0"

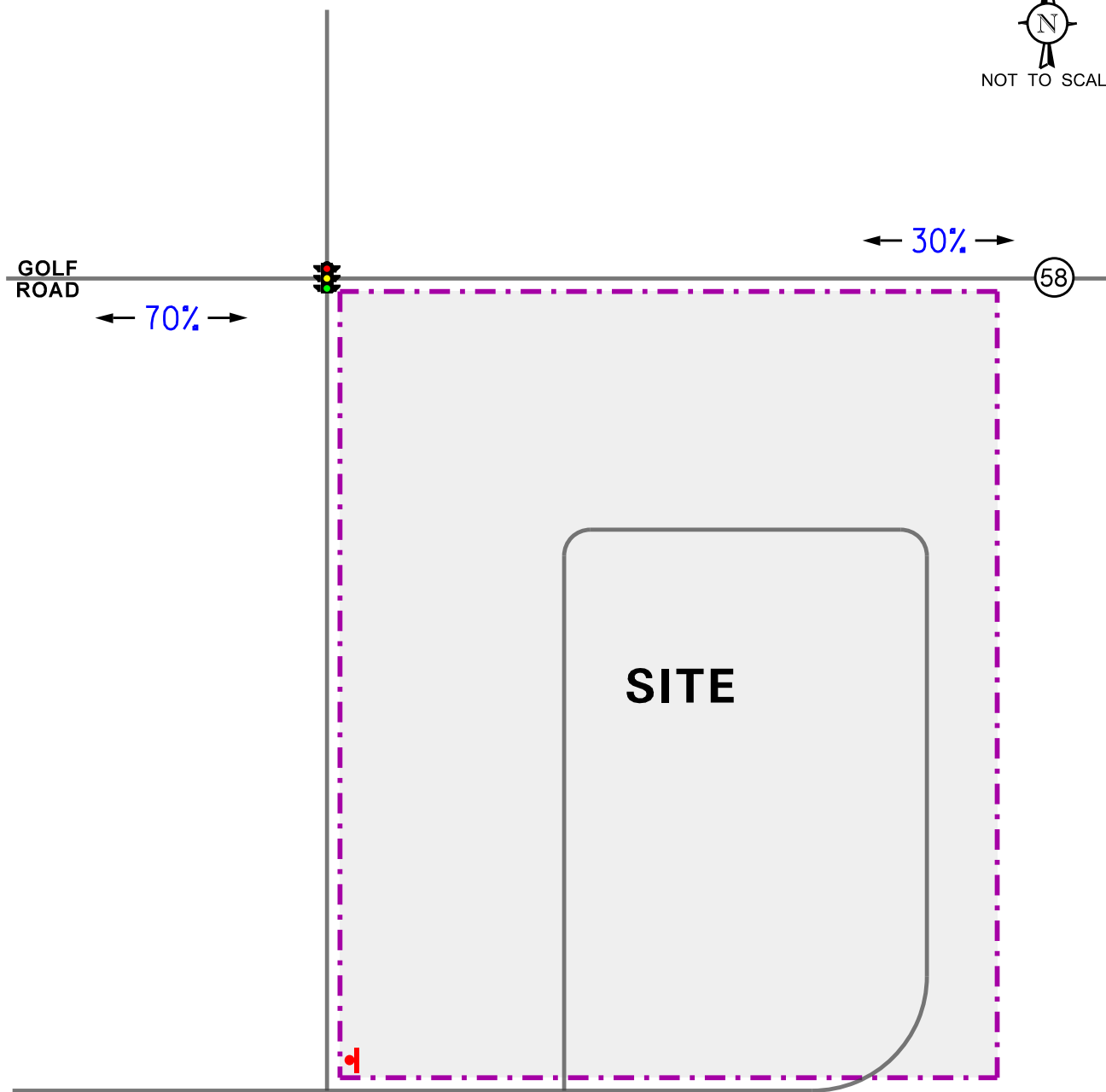
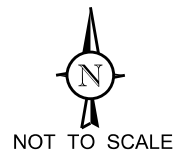
F kgevkpcn'F kntkdwkqp"

Vj g"f kgevkpu"htqo "y j lej "r cxtqpu"y kni'cr r tqcej "cpf "f gr ctv"vj g"ukg"y gtg"guwo cvgf "dcugf "qp" gzkukpi "tcxgn'r cwgtpu."cu'f gyto kpgf "htqo "vj g'tchhke"eqwpu0Figure 6 knwutcvgu"vj g'f kgevkpcn' f kntkdwkqp"qh'tchhke0"

Rgcm'J qwt"Vtchhke"Xqmo gu"

Vj g'tchhke"vq"dg"i gpgtcvgf "d{ "vj g'tgo qf gngf 'tgucwtcpv'y kni'kpetgcug'r tko ctnk{ "f wg"vq"vj g'r tqr qugf " o qf kkecvkpu"vq"vj g'f tkxg/vj tqwi j "qr gtcvkpu0K"ku"cpvlekr cvgf "vj cv'y kj "vj g'r tqxkukqp"qh"vj g'f wcn' f tkxg/vj tqwi j "rcpgu."vj g"co qwpv'qh'tchhke"wkrt kpi "vj g'f tkxg/vj tqwi j "y kni'kpetgcug"d{ "32"r gtegp0Y j krg"vj ku'kpetgcug'lp"tchhke"o c{ "pqv'cnidg"pgy ."y kj "uqo g'ewuqo gtu"vj cv'ctg'ewttgpw{ "r ctnkpi "cpf " y cmkpi "lpvq"vj g'tgucwtcpv'wkrt kpi "vj g'f tkxg/vj tqwi j "kpugcf."k'y cu'cuwo gf "hqt"vj g'r wtr qugu"qh"vj g" cpcn{uku"vj cv"vj g{"y kni'cm'dg"pgy "vtr u0Table 4 uwo o ctk gu"vj g'gzkukpi "cpf "cf f kkpccn'vtr u" i gpgtcvgf "d{ "vj g'tgucwtcpv0"

"



LEGEND

00% - PERCENT DISTRIBUTION

Proposed McDonald's  
Remodel  
Arlington Heights, Illinois

Estimated Directional Distribution

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.  
Job No: 19-121 Figure: 6

Vcdrg"6"

GZKURPI "CP F 'RTQLGEVGF 'UK/G'VTCHHE"XQNWO GU'

McDonald's Restaurant	Weekday Morning Peak Hour				Weekday Midday Peak Hour				Weekday Evening Peak Hour				Saturday Midday Peak Hour		
	In	Out	Total		In	Out	Total		In	Out	Total		In	Out	Total
Gzknkpi 'F tkxg/Vj tqwi j 'Vtchhe"Xqnwo gu"	94"	94"	366"	"	92"	92"	362"	"	67"	67"	; 2"	"	88"	88"	354"
Gzknkpi 'Y cm/kp"Vtchhe"Xqnwo gu"	46"	53"	77"	"	5: "	5: "	98"	"	32"	37"	47"	"	73"	7: "	32; "
<b>Total Existing Traffic Volumes</b>	<b>96</b>	<b>103</b>	<b>199</b>		<b>108</b>	<b>108</b>	<b>216</b>		<b>55</b>	<b>60</b>	<b>115</b>		<b>117</b>	<b>124</b>	<b>241</b>
32' "kpetgcug"kp'F tkxg/Vj tqwi j "Vtchhe"Xqnwo gu"	9"	9"	36"	"	9"	9"	36"	"	7"	7"	32"	"	9"	9"	36"
<b>Total Projected Traffic Volumes</b>	<b>103</b>	<b>110</b>	<b>213</b>		<b>115</b>	<b>115</b>	<b>230</b>		<b>60</b>	<b>65</b>	<b>125</b>		<b>124</b>	<b>131</b>	<b>255</b>

"



## 4. Projected Traffic Conditions

"  
"

Vj g"vqcn'r tqlgevgf "tchle"xqno gu"lpenwf g"vj g"gzkupi "tchle"xqno gu"lpetgcug"lp"dcemi tqwpf "  
tchle"fwg"vq"i tqy vj ."cpf "vj g"lpetgcug"lp"tchle"vj cv'y kn'dg'i gpgtcvgf "d{ "vj g'r tqr qugf "tgo qf gr0

"

Vtchle"Cuuki po gpv"

Vj g"guwo cvgf "cf f kkpnci'y ggnf c{ "o qtplpi ."y ggnf c{ "o k f c{ ."y ggnf c{ "gxgkpi ."cpf "Ucwtf c{ "  
o k f c{ "r gcm'j qwt"tchle"xqno gu"vj cv'y kn'dg'i gpgtcvgf "d{ "vj g'r tqr qugf "tgo qf gr'y gtg"cuuki pgf "  
vq"vj g'tqcf y c{ "u{ungo "lp"ceeqtf cpeg'y kj "vj g'r tgxkqwnf "f guetkdgf "f ktgevkppnci'f kwtkdwkqp"Hi wtg"  
8+0Vj g"tchle"cuuki po gpv'ht "vj g'tgo qf gr'ku'knwutcvgf "lp"Figure 70"

"

Dcemi tqwpf "Vtchle"Eqpf kkpqu"

"

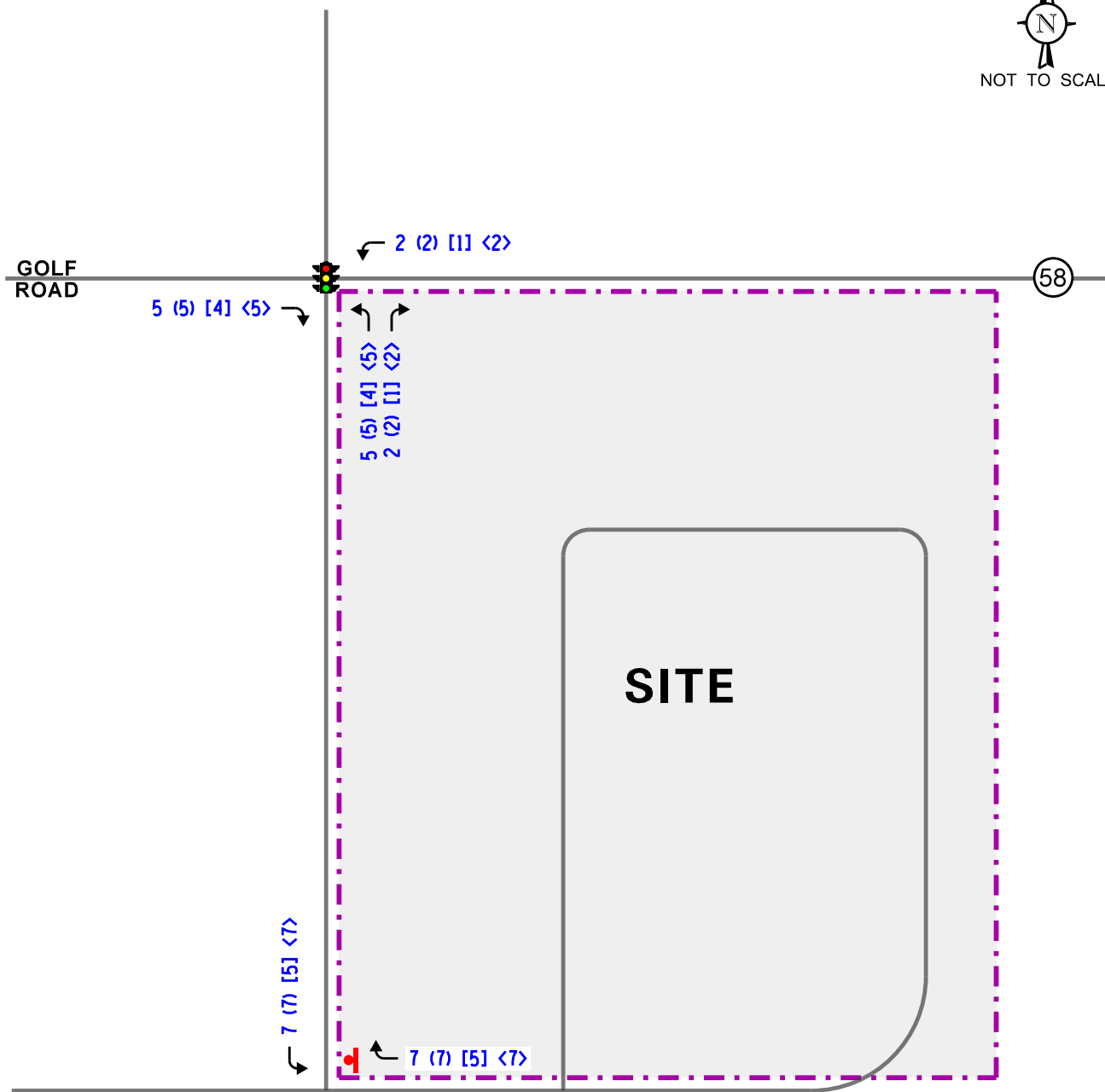
Vj g"gzkupi "tchle"xqno gu"Hi wtg"7+y gtg"lpetgcugf "d{ "c"tgi kppnci' tqy vj "hcvqt"vq"ceeqwpv'ht "  
vj g"lpetgcug"lp"gzkupi "tchle"tgrcvgf "vq"tgi kppnci' tqy vj "lp"vj g"ctgc"100"pqv'cwtkdwdng"vq"cp{ "  
r ctvwrt" r rppgf " f gxgnr o gpv0' Dcugf " qp" CCF V" r tqlgevkpu" r tqxkf gf " d{ " vj g" Ej kci q "  
O gtqr qrkcp"Ci gpe{ "ht"Rrppkpi "EO CR+ "vj g"gzkupi "tchle"xqno gu"ctg'r tqlgevgf "vq"lpetgcug "  
d{ "c"eqo r qwpf "cppwnci' tqy vj "tcvg"qh'ngu'vj cp"208"r gtegpv'r gt "{ gct0Cu'weij . "lp"qtf gt"vq"r tqxkf g "  
c"eqpugtxcvkg"cpnci'uku."tchle"xqno gu'y gtg"lpetgcugf "d{ "207"r gtegpv'vq'tgr tgugpv'vqcn'r tqlgevgf "  
eqpf kkpqu0C"eqr { "qh'vj g"EO CR"r tqlgevkpu'ngwt"ku'lpenwf gf "lp"vj g"Cr r gpf kz0"

Vqcn'Rtqlgevgf "Vtchle"Xqno gu"

"

Vj g'pgy "ftkxg/vj tqwi j "tchle"y cu'cf f gf "vq"vj g"gzkupi "tchle"xqno gu"ceeqwpv'lp'ht"dcemi tqwpf "  
i tqy vj "vq"fgvto kpg'vj g"vqcn'r tqlgevgf "tchle"xqno gu"cu'uj qy p"lp"Figure 80"

"



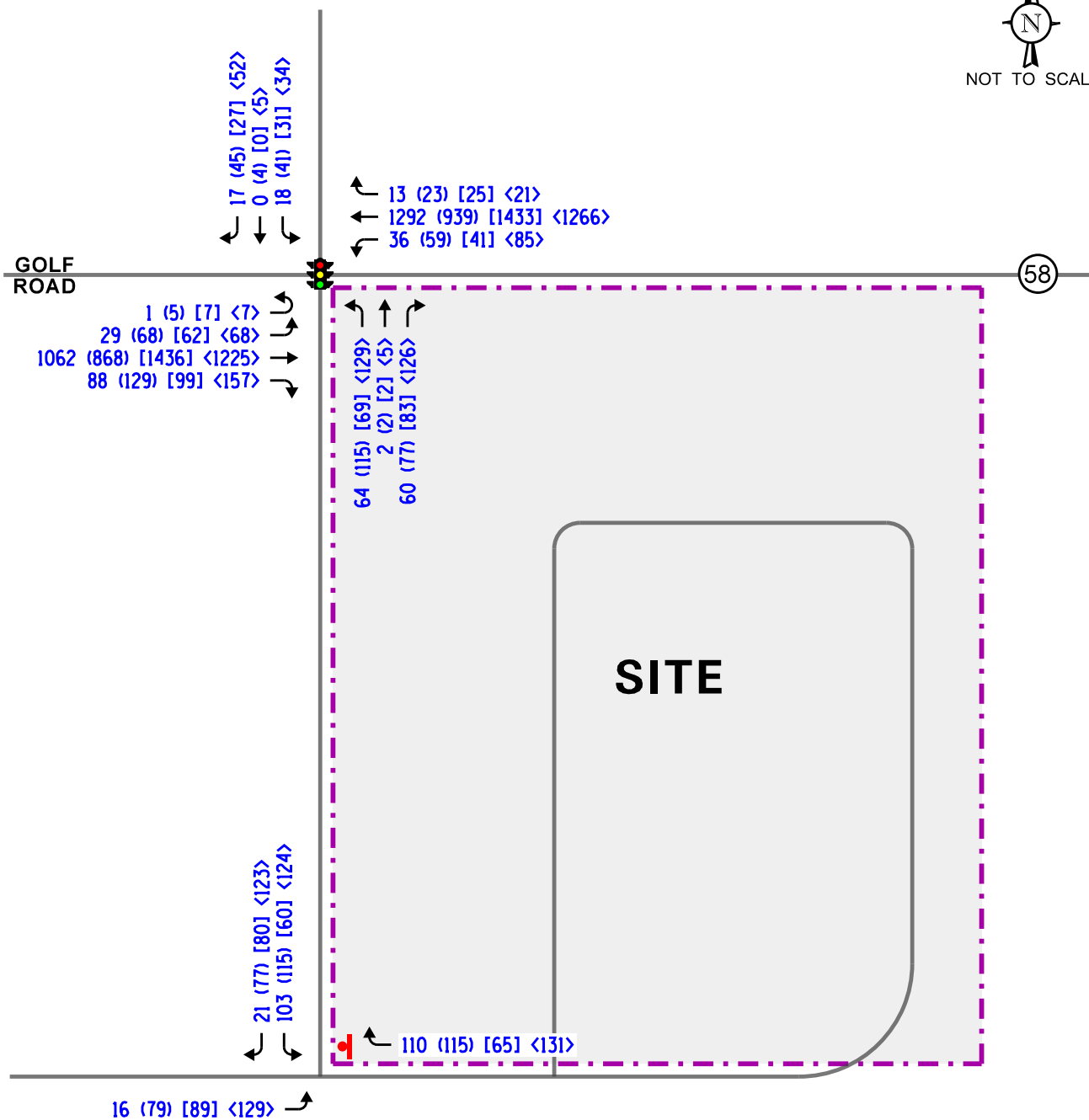
#### LEGEND

- 00 - WEEKDAY AM PEAK HOUR (7:30-8:30 AM)
- (00) - WEEKDAY MIDDAY PEAK HOUR (11:30 AM-12:30 PM)
- [00] - WEEKDAY PM PEAK HOUR (4:45-5:45 PM)
- [00] - SATURDAY MIDDAY PEAK HOUR (11:45 AM- 12:45 PM)

Proposed McDonald's  
Remodel  
Arlington Heights, Illinois

Estimated Site-Generated  
Traffic Volumes

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.  
Job No: 19-121 Figure: 7



Proposed McDonald's  
Remodel  
Arlington Heights, Illinois

Total Projected Traffic Volumes



## 5. Traffic Analysis and Recommendations

Vj g"hmjy kpi "rtqxf gu"cp" gxcnvcvqp"eqpf wevgf "hqt" yj g"y ggnfc{"o qtpkpi ."y ggnfc{"o kffc{"y ggnfc{"gxgpkpi ."cpf "Ucwtf c{"o kffc{"r gcnj qwtu0Vj g"cpn{uku"lpenmf gu"eqpf wevpi "ecr cekv{"cpn{ugu"vq"fgvto kpg"j qy "y gmjy g"tqcf y c{"u{ungo "cpf "ceeguuf tkgu"ctg'r tqlgevfg "vq"qr gtcvg"cpf "y j gyj gt"cp{"tqcf y c{"ko r tqxgo gpv"qt"o qf khecvcvpu"ctg'tgs wktgf 0'

### Vtchle"Cpcn{ugu"

"

Tqcf y c{"cpf "cf lcegpv"qt"pgctd{"lpvtugevqp"cpn{ugu"y gtg'r gthqto gf "hqt" yj g"y ggnfc{"o qtpkpi ."y ggnfc{"o kffc{"y ggnfc{"gxgpkpi ."cpf "Ucwtf c{"o kffc{"r gcnj qwtu"ht"yj g"gz kpkpi "¶ gct"423; + "cpf "¶ gct"4247"r tqlgevfg "vtchle"xqno gu0'

"

Vj g"vtchle"cpn{ugu"y gtg'r gthqto gf "wulpi "yj g"o gyj qf qmji lgu"qwrkpgf "kp" yj g"Vtcur qtvcvqp" Tgugctej "Dqctf al" *Highway Capacity Manual (HCM), 2010* "cpf" cpn{| gf "wulpi " yj g" U{pej tq lUko Vtchle"32"uqhy ctg0Vj g"cpn{uku"ht"yj g"vtchle/uki pcn"eqpvqmgf "lpvtugevqpu"y gtg" ceeqo r kuj gf "wulpi "hgnf "o gcuwtgf "e{eng"ngpi yj u"cpf "r j culpi u"vq"fgvto kpg"yj g"cxgtci g"qxgtcm" xgj keng"fg gnc{"cpf "rgxgnu"qh"ugt xleg0'

"

Vj g"cpn{ugu"ht"yj g"wpuki pcnk gf "lpvtugevqpu"fgvto kpg"yj g"cxgtci g"eqpvqnf gnc{"vq"xgj kengu"cv" cp"lpvtugevqp0Eqpvqnf gnc{"ku"yj g"gnr ugf "ko g"htqo "c"xgj keng"lqkpkpi "yj g"s wgw"cv"uqr "uki p" \*lpenmf gu"yj g"ko g"tgs wktgf "vq"fgvto kpg"vq"uqr "+"wpuki"ku"fgvto kpg"htqo "yj g"uqr "uki p"cpf " tguwo r vqp"qh"htgg"hmjy "ur ggf 0Vj g"o gyj qf qmji {"cpn{| gu"gej "lpvtugevqp"cr r tqcej "eqpvqmgf " d{"c"uqr "uki p"cpf "eqpvqnf gtu"vtchle"xqno gu"qp"cm"cr r tqcej gu"cpf "hpg"ej ctcevgtku0'

"

Vj g"cdkklv"qh"cp"lpvtugevqp"vq"ceeqo o qf cvg"vtchle"hmjy "ku"gzr tguugf "kp"vgtu u"qh"rgxgn"qh"ugt xleg." y j lej "ku"cuuki pgf "c"hwgt"htqo "C"vq"Hdcugf "qp"yj g"cxgtci g"eqpvqnf gnc{"gzr gtlgpegf "d{"xgj kengu" r cuulpi "yj tqwi j "yj g"lpvtugevqp0Vj g"*Highway Capacity Manual*"f ghkpkkpu"ht"rgxgnu"qh"ugt xleg" cpf "yj g"eqttgur qpf kpi "eqpvqnf gnc{"hqt"uki pcnk gf "lpvtugevqpu"cpf "wpuki pcnk gf "lpvtugevqpu"ctg" lpenmf gf "kp"yj g"Cr r gpf kz"qh"yj ku'tgr qt0'

"

Uwo o ctkgu"qh"yj g"vtchle"cpn{uku"tguwu"lj qy kpi "yj g"rgxgn"qh"ugt xleg"cpf "qxgtcm"lpvtugevqp"fg gnc{" \*o gcuwtgf "kp"ugeqpf u"ht"yj g"gz kpkpi "cpf "vqcnr tqlgevfg "eqpf kkpku"ctg'r tguugvfg "kp"Tables 5 cpf " 60C" f kuewukp"qh"gej "lpvtugevqp"hmjy u0Uwo o ct{"lj ggu"ht"yj g"ecr cekv{"cpn{ugu"ctg"lpenmf gf " kp"yj g"Cr r gpf kz0'

Vcdrg'7"

ECRCEK\ 'CPCN\ UK'TGUWNVU'6'I QNH'TQCF 'Y K\J 'VJ G'P VGTP CVKQP CN'RNC\ C'CEEGUUF T&G'CPF 'VJ G'UJ CTGF "  
OEF QPCNF 6UEJ CUG'DCP M'CEEGUUTQCF '6'UK P CNK GF "

	Peak Hour	Eastbound		Westbound		Northbound		Southbound"		Overall"
		L	T/R	L	T/R	L	T/R	L	T/R	
Year 2019 Existing Traffic Volumes	Weekday Morning	G" 990"	C" ; 04"	G" 990"	C" ; 07"	G" 820"	G" 990"	F " 750"	G" 870 "	D" 360"
		D"6'320 "		D"6'330"		G"6'8; 04"		G"7; 06"		
	Weekday Midday	G" 870"	D" 340 "	G" 860"	D" 350"	F " 660 "	G" 7: 0 "	F " 5; 06"	G" 830"	E" 420"
		D"6'380"		D"6'380"		F "6'720"		F "6'730"		
	Weekday Evening	G" 9; 0 "	D" 3304"	G" 990"	D" 330 "	G" 780"	G" 9: 05"	G" 7404"	G" 860 "	D" 390"
		D"6'360"		D"6'350"		G"/'8: 0 "		G"6'7: 08"		
	Saturday Midday	G" 870"	D" 3: 04"	G" 870"	D" 380"	F " 650"	G" 7: 05"	F " 580"	G" 7; 02"	E" 450"
		E"6'420"		D"6'3; 08"		F "6'720 "		F "6'720"		
Total Projected Traffic Volumes	Weekday Morning	G" 990	C" ; 0 "	G" 990 "	C" ; 0 "	G" 820 "	G" 990 "	F " 750"	G" 870"	D" 370"
		D"6'330"		D"6'330"		G"6'8; 08"		G"7; 08"		
	Weekday Midday	G" 870"	D" 3508"	G" 860"	D" 350"	F " 6708"	G" 7: 0 "	F " 5; 04"	G" 830"	E" 4208"
		D"6'3808"		D"6'3805"		F "6'720"		F "6'7304"		
	Weekday Evening	G" 9; 0 "	D" 3306"	G" 990 "	D" 3402"	G" 780 "	G" 9: 05"	G" 7408"	G" 8608"	D" 3905"
		D"6'3608"		D"6'350 "		G"/'8: 0"		G"6'790 "		
	Saturday Midday	G" 870"	D" 3: 07"	G" 8708"	D" 380 "	F " 6504"	G" 7: 04"	F " 5804"	G" 7: 0 "	E" 4509"
		E"6'4302"		D"6'3; 0 "		F "6'720 "		F "6'7206"		
Ngwt'f gpqvu'Ngxgrlqh'Ugtxleg" F gr{ 'ku'o gcuwtgf 'lp'ugeqpf u0'		N'6'Ngh'Vwtpu" V'6'Vi tqwi j "		T"6'Tk j v'Vwtpu" "		" "		"		

Vcdrg'8

ECRCEK[ "CPCN[ UKU"TGUNNVU"6UJ CTGF "CEEGUU" TQCF "Y KJ "VJ G"O EFQP CNF Ø"CPF "EJ CUG"DCPM"CEEGUU"  
FTKXGU"/"WP UK P CNK GF "KEW"

	Weekday Morning Peak Hour		Weekday Midday Peak Hour		Weekday Evening Peak Hour		Weekday Evening Peak Hour	
	LOS	ICU Capacity	LOS	ICU Capacity	LOS	ICU Capacity	LOS	ICU Capacity
<b>Existing Conditions"</b>								
"	C"	420' "	"	C"	4: 06' "	"	C"	480' "
<b>Projected Conditions</b>								
"	C"	430' "	"	C"	4: 0' "	"	C"	480' "
NQU"? "Ngxgrl'qhl'Ugtxleg" Vj g"qr gtcvkqp"qh'vj ku"kpvtugevkqp"ku"dcugf "qp"c"etksecr'xqno g"vq"ucwtcvkqp"mqy "x lu+ "gxcnvcvkqp"cnq"npqy p"cu"vj g"Kpvtugevkqp"Ecr cekv{ "Wkk cvkqp"KEW" o gj qf 0'								

## F luewukap "cpf "Tgeqo o gpf cvkqpu"

Vj g" hqmqy lpi "uwo o ctk gu" j qy "vj g" l'pvtugevkapu" ctg" r tqlgevfg "vq" qr gtcvg" cpf "kf gpvklgu" cp { "tqcf y c { "cpf "tchle" eqpvtqnlko r tqxgo gpw' pgeguuct { "vq" ceeqo o qf cvg" vj g" hwwt g" tchle" xqnxo guO'

I qrh" Tqcf "y kj "vj g" l'pvtugevkapu" Rrc| c" Ceeguu" F tkxg" cpf "vj g" Uj ctgf "O eF qpcrf auEj cug" Dcpm' Ceeguu" Tqcf "

"

Vj g' tguwuu' qh' vj g' ecr cekv { "cpcn { uku' l'p' f' l'ecv g' vj cv' qxgt cml' vj ku' l'pvtugevkapu" ewttgpvn { "qr gtcvgu" cv' Ngxgr' qh' Ugtxleg" \*NQU+D' f' wtkpi "vj g' y ggnf c { "o qtpkpi "cpf "y ggnf c { "gxgpkpi "r gcmj qwtu" cpf "cv' NQU' E" f' wtkpi "vj g' y ggnf c { "b k f f c { "cpf "Ucwtf c { "b k f f c { "r gcmj qwtuO' K' luj qwf "dg' pqvgf "vj cv' vj g' gcudqwpf " cpf "y gndqwpf "vj tqwi j "o qxgo gpw' qr gtcvg" cv' NQU' D' qt "dgwgt "f' wtkpi "cmhqw" r' gcmj qwtuO' Hwt vj gt. " vj g" pqt vj dqwpf "cpf "uqwj dqwpf "cr r tqcej gu" qr gtcvg" cv' NQU' G' f' wtkpi "vj g' y ggnf c { "o qtpkpi "cpf " y ggnf c { "gxgpkpi "r gcmj qwtu" cpf "cv' NQU' F' f' wtkpi "vj g' y ggnf c { "b k f f c { "cpf "Ucwtf c { "b k f f c { "r gcmj qwtuO' Cu' ecp" dg' uggp. "vj g' tchle" uki pcn' ku' r' tqi tco o gf "uwej "vj cv' vj g' uki pcn' l' kxu' c" o clqt k' qh' ku" i tggp "ko g' vq" vj g' I qrh" Tqcf " \*gcudqwpf ly gndqwpf + "cr r tqcej gu" f' wtkpi "vj g" o qtpkpi "cpf "gxgpkpi " r gcmj qwtu. tguwuu' l'p' l'petgcugf "f' grc { "u' hqt "vj g' pqt vj dqwpf "cpf "uqwj dqwpf "cr r tqcej guO' qy gxgt. " vj ku' l' v' r l'ecn' cpf "gzr gevfg "cv' vj g' l'pvtugevkapu" qh' cp' ceeguu' tqcf "y kj "c" o clqt "ctvgtcn' l' uwej "cu' I qrh" Tqcf O'

"

Wpf gt "vqcn' r tqlgevfg "tchle" eqpf klkqpu. "vj ku' l'pvtugevkapu" ku' r tqlgevfg "vq" eqpvkpwg" vq" qr gtcvg" cv' vj g" uco g' NQU' F' wtkpi "vj g' y ggnf c { "o qtpkpi . "y ggnf c { "b k f f c { . "y ggnf c { "gxgpkpi . "cpf "Ucwtf c { "b k f f c { " r gcmj qwtu" y kj "l'petgcugu" l'p' f' grc { "qh' guu' vj cp' "qpg" ugeqpf O' Hwt vj gt. "cm' o qxgo gpw' ctg" r tqlgevfg " vq" eqpvkpwg" vq" qr gtcvg" cv' vj g' uco g' r' xgn' qh' ugtxleg" cu' wpf gt "gz k' kpi "tchle" eqpf klkqpuO'

"

Cu' r t' gxlqwn { "o gpvklpgf . "pqt vj dqwpf "s wgwu" y gtg" pqv' qdugt xgf "vq" gz vgpf "vq" vj g' ceeguu' f' tkxgu" ugtxkpi "O eF qpcrf au" cpf "vj g" Ej cug" Dcpm' uksgO' Cu" vj g' tgo qf gr' ku' pqv' r tqlgevfg "vq" l'petgcug" pqt vj dqwpf "tchle" uki pl' l'ecpvn { "cpf "cu" l'p' f' l'ecv g" d { "vj g' tguwuu' qh' vj g' ecr cekv { "cpcn { ugu. "vj g" pqt vj dqwpf "s wgwu" y km' pqv' gz vgpf "vq" vj g' ceeguu' f' tkxgu" cpf . "cu' uwej . "y km' pqv' ko r cev' vj g' l'pvtu' pcn' ektewr' vkapu" qh' vj g' uksgO' Vj gt ghtg. "vj ku' l'pvtugevkapu" j cu' u' hlekp' vt' gugt xg' ecr cekv { "vq" ceeqo o qf cvg" vj g' hwwt g' tchle" xqnxo gu' cpf "pq' cf f' klqpcn' gqo g' tle' qt "tchle" eqpvtqnlko r tqxgo gpw' ctg' tgs wktgf " qt' tgeqo o gpf gf "cu' r ctv' qh' vj ku' tgo qf grO'

Uj ctgf "Ceeguu" Tqcf "y kj "vj g" O eF qpcrf auEj cug" Dcpm' Ceeguu" F tkxgu"

"

Dgecwug" qh' vj g' tchle" eqpvtqnl' eqphki wtcvkapu" qh' vj ku' l'pvtugevkapu" y j gtg" qpn { "tchle" gz k' kpi " O eF qpcrf au" cpf "Ej cug" Dcpm' uksgu" uxqr . "vj g" l'pvtugevkapu" eqwrf "pqv' dg" cpcn { | gf "wukpi "J E O" r tqegf wtuO' Vj g' l'pvtugevkapu" y cu' cpcn { | gf "wukpi "vj g' l'pvtugevkapu" Ecr cekv { "Wkrl' cvkap" \*E W' r' xgn' qh' ugtxlegO' Vj g' E W' l'p' f' l'ecv gu' j qy "o wej "t' gugt xg' ecr cekv { "ku' cxckr' dng" qt' j qy "o wej "cp' l'pvtugevkapu" ku' qxgt "ecr cekv { O'

"

Dcu' g' "qp" vj g' E W' cpcn { uku. "vj g' l'pvtugevkapu" ewttgpvn { "wkl' gu' cr r tqzko cvgn { "42" vq' "62" r' gtegpv' qh' ku" ecr cekv { O' Wpf gt "hwwt g" eqpf klkqpu. "k' ku" r tqlgevfg "vj cv' vj g' l'pvtugevkapu" y km' eqpvkpwg" vq" wkl' g" cr r tqzko cvgn { "42" vq' "62" r' gtegpv' qh' ku" ecr cekv { O' Cu' c' tguwuu. "vj g' l'pvtugevkapu" y km' eqpvkpwg" vq" qr gtcvg" gh' l'ekpvn { "cpf "y kj "o l'pko cnf grc { uO'

"

"

F tkxg/Vj tqwi j "Wuci g'cpf "Ucenkpi "

"

Wpf gt "gz kxkpi "eqpf kxkpu." yj g'f tkxg/vj tqwi j "rcpg"ku"cdrg"vq"ceeqo o qf cvg"wr "vq"plpg"xgj kengu" y kj qww"lo r cevpi "kpgtpci'ektewrcvkp0'Dcugf "qp"qdugtxcvkpu"eqpf wevgf "d{ "MNQC." kpe0'cpf "cu" uj qy p"kp"Vcdrg"4." yj g'tguncwcpv'ewttgpn{ "gxr gtlgpegu'f tkxg/vj tqwi j "s wgwgu'qh'wr "vq"35"xgj kengu0' Cu'uwej ."qp'ugxgtcn'qecucukpu'tchhe'ltqo "yj g'f tkxg/vj tqwi j "rcpg"gzeggf gf 'ku'ecr cekv{ "cpf 'dmengf " yj g'ektewrcvkp"ftkxg0"

"

Y kj "yj g'r tqr qugf 'tgo qf gn"yj g'f tkxg/vj tqwi j "rcpgu'y knldg"cdrg"vq"ceeqo o qf cvg"wr "vq"36"xgj kengu" dghqtg"dmengpi "yj g'ektewrcvkp"ftkxg0"Y kj "yj ku"cff gf "ucenkpi "ctgc"eqo dkpgf "y kj "yj g'i tgcvgf" ghhekgpe{ "tguwnkpi "ltqo "yj g'f wcn'qtf gtlpi "dqctfu." yj g'qdugt xgf "o czko wo "s wgwgu'qh"35"xgj kengu" ecp" yj gtghqtg" dg" ceeqo o qf cvgf "y kj kp" yj g'f tkxg/vj tqwi j "rcpgu" y kj qww" lo r cevpi " qp/ukg" ektewrcvkp0'

"

Cu'pqvgf "gctrktg."c'pwo dgt"qh'ewuqo gtu'y gtg'qdugt xgf "vq'wtp"rgh'ko o gf kcvgn{ "wr qp"gpvgtkpi "yj g" uksg"cpf "tcxgn'kp" yj g'y tqpi "f kgevkp"kp" yj g'r ctnkpi "mqv'y guv'qh" yj g'dwktf kpi 0'K'ku'tgeqo o gpf gf " yj cv'öF q'P qv'Gpvtö'uki pu'dg'r quvgf 'hceki "uqwj "cv'yj g'f tkxg'ckung"gzk0'

"

"



## 6. Parking Evaluation

"  
"

Kp"qtf gt"vq"fgvto kpg"vj g'r ctnkpi "f go cpf "qh"vj g"gz kunkpi "O eF qpcrf au'tguvwtcpv'r ctnkpi "mqv'f wtkpi "vj g'r gcm'ko g'r gtlqf u"MNQC. "Kpe0eqpf wevgf "r ctnkpi "qeewr cpe{ "uwxg{u"qp"e" Hkf c{ "cpf "Ucwtf c{ " \*Lwpg"9"j "cpf": "j".423; . "tguv ge'v'xgn{ +0Vj g"uwxg{u"qh"vj g"gz kunkpi "r ctnkpi "mqv'r tqxkf kpi "59"ur cegu." qh'y j lej "y q"ur cegu"ctg"qeewr kcf "d{ "t'cu'j "tgegr xcengu."y gtg"eqpf wevgf "kp"37/o kpwg"kpvgtxcm'ltqo " 9-22"C00 0"q"9-22"R00 . Vj g'tguwmu"qh"vj g'r ctnkpi "qeewr cpe{ "uwxg{u"ctg"uwo o ctk gf "kp"Table 70 Vj g'tguwmu"qh"vj g'r ctnkpi "qeewr cpe{ "uwxg{u"lpf kcvgf "vj g'hmqy kpi <"

- Rgcni'qeewr cpe{ "qp" Hkf c{ "y cu"47"xgj kergu"\*93"r gtegpv'qeewr kcf +"qeewt kpi "cv"3-67"R00 0" tguwmu kpi "lp"e"uwr mu"qh"32"r ctnkpi "ur cegu0"
- Rgcni'qeewr cpe{ "qp"Ucwtf c{ "y cu"45"xgj kergu"\*88"r gtegpv'qeewr kcf +"qeewt kpi "cv"3-52" R00 0"tguwmu kpi "lp"e"uwr mu"qh"34"r ctnkpi "ur cegu0"

K'lj qwrf "dg"pqvgf "vj cv"vj g'r ctnkpi "qeewr cpe{ "uwxg{u"lpenw gf "qdugtxcv'kpu"qh'cp{ "ewuqo gtu'y j q" r ctnkf "lp"vj g'Ej cug'Dcpni'r ctnkpi "mqv'cpf "y cmgf "q'xgt"vq"O eF qpcrf au"0Vj g'tguwmu"lpf kcvgf "vj cv" c"v'qcn'qh"vj tgg'ectu'y gtg"qdugt'xgf "vq"r ctnk'cv"vj g'Ej cug'Dcpni'ukg"qp" Hkf c{ "qeewt kpi "cv": <52"C00 0" 4-22"R00 0"cpf "8-67"R00 0"P q"O eF qpcrf au"ewuqo gtu'y gtg"qdugt'xgf "vq"r ctnk'lp"vj g'Ej cug'Dcpni' r ctnkpi "mqv'qp"Ucwtf c{ 0"

Cu"lpf kcvgf "gctnkt. "vj g'r tqr qugf "tgo qf gni'y kn'tgs wktg"vj g'tgeqphki wtcv'kpp"qh"vj g'r ctnkpi "mqv"vq" r tqxkf g"f wcn'f tkg/vj tqwi j "rcpgu"0Vj g'tguwmu kpi "r ctnkpi "mqv'eqphki wtcv'kpp"y kn'tguwmu"lp"e"v'qcn'qh" 52"r tqxkf gf "r ctnkpi "ur cegu"\*r ctnkpi "tcv'q"qh"cr r tqzko cvgn{ "; Ø"ur cegu"r gt"3.222"us wctg/hggv0" Y j kg"vj g'f wcn'f tkg/vj tqwi j "rcpgu"y knlpetgcug"vj g'ghlekppe{ "qh"vj g'f tkg/vj tqwi j "qr gtcv'kpu"cpf " o c{ "tguwmu"lp"y cm'lp"ewuqo gtu'w'k'k kpi "vj g'f tkg/vj tqwi j "kpugcf. "vj g'gz kunkpi "qdugt'xgf "r ctnkpi " f go cpf "y cu"pqv'tgf wegf "vq"ceeqwpv'hqt"vj ku"0Vj gtghqtg. "vj g'O eF qpcrf au'tguvwtcpv'u'r genir ctnkpi " f go cpf . "qh"47"ur cegu"qp" Hkf c{ "cpf "45"ur cegu"qp"Ucwtf c{ . "ecp"dg'ceeqo o qf cvgf "d{ "vj g'o qf k'kgf " r ctnkpi "mqv'y kj "52"ur cegu0"

"

Vcdrg"9"  
RCTM&PI "QEEWRCP E[ "UWTXG[ "TGUNVU"

Time	Friday, June 8, 2019					Saturday, June 9, 2019				
	Unreserved	Mobile Order	Handicap	Chase Bank	Total	Unreserved	Mobile Order	Handicap	Chase Bank	Total
9-22"CO "	36"	2"	2"	2"	36"	: "	2"	3"	2"	; "
9-37"CO "	8"	3"	2"	2"	9"	6"	3"	2"	2"	7"
9-52"CO "	9"	2"	2"	2"	9"	6"	2"	2"	2"	6"
9-67"CO "	; "	2"	2"	2"	; "	8"	3"	2"	2"	9"
: -22"CO "	: "	2"	2"	2"	: "	35"	2"	2"	2"	35"
: -37"CO "	33"	2"	2"	2"	33"	32"	2"	3"	2"	33"
: -52"CO "	34"	4"	2"	3"	37"	34"	2"	3"	2"	35"
: -67"CO "	3; "	3"	2"	2"	42"	36"	2"	3"	2"	37"
; -22"CO "	38"	2"	2"	2"	38"	32"	2"	3"	2"	33"
; -37"CO "	35"	2"	2"	2"	35"	34"	2"	3"	2"	35"
; -52"CO "	42"	2"	2"	2"	42"	34"	2"	3"	2"	35"
; -67"CO "	42"	2"	2"	2"	42"	3: "	2"	4"	2"	42"
32-22"CO "	39"	2"	3"	2"	3: "	38"	3"	3"	2"	3: "
32-37"CO "	3; "	2"	2"	2"	3; "	36"	3"	4"	2"	39"
32-52"CO "	38"	2"	2"	2"	38"	33"	2"	4"	2"	35"
32-67"CO "	3; "	2"	2"	2"	3; "	; "	2"	2"	2"	; "
33-22"CO "	38"	3"	3"	2"	3: "	3: "	2"	2"	2"	3: "
33-37"CO "	39"	4"	3"	2"	42"	3: "	2"	4"	2"	42"
33-52"CO "	37"	4"	4"	2"	3; "	38"	2"	4"	2"	3: "
33-67"CO "	3: "	3"	4"	2"	43"	34"	2"	4"	2"	36"
34-22"RO "	3: "	3"	4"	2"	43"	3: "	2"	4"	2"	42"
34-37"RO "	3; "	3"	4"	2"	44"	34"	2"	3"	2"	35"
34-52"RO "	3; "	4"	4"	2"	45"	: "	2"	3"	2"	; "
34-67"RO "	37"	2"	2"	2"	37"	34"	4"	3"	2"	37"
3-22"RO "	38"	2"	3"	2"	39"	33"	3"	2"	2"	34"
3-37"RO "	44"	2"	4"	2"	46"	37"	2"	2"	2"	37"
3-52"RO "	44"	3"	3"	2"	46"	43"	4"	2"	2"	45"
3-67"RO "	45"	4"	2"	2"	47"	44"	2"	2"	2"	44"
4-22"RO "	42"	3"	2"	3"	44"	42"	3"	2"	2"	43"
4-37"RO "	42"	2"	2"	2"	42"	39"	2"	3"	2"	3: "
4-52"RO "	3; "	2"	2"	2"	3; "	39"	2"	2"	2"	39"
4-67"RO "	38"	2"	2"	2"	38"	34"	2"	3"	2"	35"
5-22"RO "	36"	5"	2"	2"	39"	33"	2"	3"	2"	34"
5-37"RO "	; "	2"	2"	2"	; "	: "	2"	3"	2"	; "
5-52"RO "	; "	2"	2"	2"	; "	; "	3"	3"	2"	33"
5-67"RO "	8"	2"	2"	2"	8"	33"	3"	3"	2"	35"
6-22"RO "	8"	2"	2"	2"	8"	34"	3"	2"	2"	35"
6-37"RO "	9"	2"	2"	2"	9"	; "	2"	3"	2"	32"
6-52"RO "	9"	2"	2"	2"	9"	32"	2"	2"	2"	32"
6-67"RO "	7"	2"	2"	2"	7"	34"	2"	3"	2"	35"
7-22"RO "	32"	2"	2"	2"	32"	34"	3"	3"	2"	36"
7-37"RO "	33"	2"	2"	2"	33"	32"	2"	3"	2"	33"
7-52"RO "	32"	2"	2"	2"	32"	32"	3"	3"	2"	34"
7-67"RO "	8"	2"	2"	2"	8"	7"	2"	2"	2"	7"
8-22"RO "	34"	3"	3"	2"	36"	8"	2"	2"	2"	8"
8-37"RO "	33"	2"	2"	2"	33"	7"	2"	2"	2"	7"
8-52"RO "	: "	3"	2"	2"	; "	8"	2"	2"	2"	8"
8-67"RO "	7"	2"	2"	3"	8"	: "	2"	2"	2"	: "
9-22"RO "	5"	2"	2"	2"	5"	6"	3"	2"	2"	7"
Inventory	29	2	4	0	35	29"	2"	4"	0"	35"



## 7. Conclusion

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

- Vj g"cf lcegpv'utggv'u{ ugo "cpf "uwf { "ctgc"lpvtugevqpu"j cxg"uwhelegpv'tgugtxg"ecr cekv{ "vq" ceeqo o qf cvg"vj g"lpetgcug'lp"vtchhe"r tqlgevgf "vq'dg'i gpgtcvgf "d{ "vj g'r tqr qugf "O eF qpcrf au" tgf gxgnr o gpv0"
- Vj g"gzlkupi "ceegu"u{ ugo "y kn'eqpvkpwg"vq"dg"cf gs wcvg"kp"ceeqo o qf cvkpi "cm'vtchhe"lp" cpf "qww'qh'vj g"tgucwtcpv"cpf "y kn'j cxg"c"rko kgf "ko r cev"qp"vj g"qr gtcvqp"qh'vj g"uj ctgf " ceegu'tqcf 0"
- Vj g'r tqr qugf "f wcn'f tlxg/vj tqwi j "rcpgu"y kn'tguwn"lp"cp"lpetgcugf "ucenkpi "ecr cekv{ "cpf " y kn'r tqxkf g"o qtg"ghhelegpv"ugtxleg."y j lej "y kn'cf gs wcvgn{ "ceeqo o qf cvg"vj g"r tqlgevgf " f tlxg/vj tqwi j "ucenkpi 0"
- Dcugf "qp"vj g'tguwnu'qh'vj g'r ctnkpi "qeewr cpe{ "uwxg{ u'eqpf wevgf "cv'vj g"gzlkupi "tgucwtcpv." vj g'r tqr qugf "52'r ctnkpi "ur cegu'y kn'cf gs wcvgn{ "ceeqo o qf cvg"vj g'r gcnlr ctnkpi "f go cpf "qh" vj g'tgo qf grgf "tgucwtcpv0"

# Cr r gpf kZ"

Vtchhke'Eqwpv'Uwo o ct { 'Uj ggu"  
Rtgrko kpct { 'Ukg'Rncp"  
EO CR'4272'Rtqlgevkqpu'Ngwt"  
Ngxgn'qh'Ugtxleg'Etkgtk"  
Ecr cekv { 'Cpcn { uku'Uwo o ct { 'Uj ggu"

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





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

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

Count Name: Gold Road with Shared Access  
Drive  
Site Code:  
Start Date: 05/16/2019  
Page No: 1

## Turning Movement Data

Start Time	Golf Road Eastbound						Golf Road Westbound						Access Drive Northbound						Access Drive 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	
7:00 AM	0	5	218	22	0	245	0	6	224	2	0	232	0	8	0	15	0	23	0	3	0	3	1	6	506
7:15 AM	0	5	230	18	0	253	0	8	282	2	0	292	0	7	0	16	0	23	0	2	0	2	0	4	572
7:30 AM	0	8	289	25	0	322	0	10	379	4	0	393	0	17	0	12	0	29	0	4	0	4	0	8	752
7:45 AM	1	2	284	21	0	308	0	7	306	2	0	315	0	17	1	19	0	37	0	4	0	2	0	6	666
Hourly Total	1	20	1021	86	0	1128	0	31	1191	10	0	1232	0	49	1	62	0	112	0	13	0	11	1	24	2496
8:00 AM	0	10	240	22	1	272	0	12	313	3	1	328	0	14	1	11	1	26	0	3	0	5	1	8	634
8:15 AM	0	9	244	15	0	268	0	5	286	4	0	295	0	11	0	16	0	27	0	7	0	6	1	13	603
8:30 AM	1	9	239	23	0	272	0	16	305	2	0	323	0	13	0	13	2	26	0	6	1	6	0	13	634
8:45 AM	0	12	237	25	0	274	0	18	297	4	0	319	0	32	0	13	0	45	0	3	0	3	2	6	644
Hourly Total	1	40	960	85	1	1086	0	51	1201	13	1	1265	0	70	1	53	3	124	0	19	1	20	4	40	2515
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:30 AM	0	10	209	36	0	255	0	22	238	5	0	265	0	25	2	19	0	46	0	8	1	10	0	19	585
11:45 AM	0	22	247	32	0	301	0	10	229	9	0	248	0	28	0	23	0	51	0	10	0	6	0	16	616
Hourly Total	0	32	456	68	0	556	0	32	467	14	0	513	0	53	2	42	0	97	0	18	1	16	0	35	1201
12:00 PM	1	17	213	32	0	263	0	19	226	5	0	250	0	27	0	24	0	51	0	10	2	17	0	29	593
12:15 PM	4	19	195	24	0	242	0	6	241	4	0	251	0	30	0	9	0	39	0	13	1	12	1	26	558
12:30 PM	3	5	207	21	0	236	0	10	228	3	0	241	0	19	0	21	0	40	0	7	2	11	0	20	537
12:45 PM	0	10	210	30	0	250	0	14	256	3	0	273	0	27	1	16	0	44	0	10	0	6	0	16	583
Hourly Total	8	51	825	107	0	991	0	49	951	15	0	1015	0	103	1	70	0	174	0	40	5	46	1	91	2271
1:00 PM	2	6	211	40	0	259	0	14	224	5	0	243	0	25	1	24	0	50	0	6	0	15	1	21	573
1:15 PM	2	10	209	23	0	244	0	11	184	3	0	198	0	23	0	19	0	42	0	7	3	8	0	18	502
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	4	16	420	63	0	503	0	25	408	8	0	441	0	48	1	43	0	92	0	13	3	23	1	39	1075
4:00 PM	1	11	328	31	0	371	1	14	322	8	1	345	0	17	0	17	1	34	0	5	1	4	0	10	760
4:15 PM	3	9	304	26	0	342	0	16	321	7	0	344	0	19	1	25	0	45	0	5	0	8	0	13	744
4:30 PM	2	14	367	32	1	415	0	8	305	3	0	316	0	20	0	18	1	38	0	5	2	5	0	12	781
4:45 PM	2	7	366	22	0	397	0	10	367	10	0	387	0	14	0	26	2	40	0	12	0	4	0	16	840
Hourly Total	8	41	1365	111	1	1525	1	48	1315	28	1	1392	0	70	1	86	4	157	0	27	3	21	0	51	3125
5:00 PM	1	12	346	22	1	381	0	11	366	5	0	382	0	20	0	23	0	43	0	3	0	4	0	7	813
5:15 PM	1	20	387	24	6	432	0	8	334	5	1	347	0	15	1	19	1	35	0	5	0	10	8	15	829
5:30 PM	3	19	330	27	2	379	0	11	359	5	0	375	0	16	1	14	2	31	0	11	0	9	2	20	805
5:45 PM	4	14	373	20	0	411	0	10	343	12	1	365	0	18	2	16	1	36	0	8	0	9	0	17	829
Hourly Total	9	65	1436	93	9	1603	0	40	1402	27	2	1469	0	69	4	72	4	145	0	27	0	32	10	59	3276
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:30 AM	1	19	255	27	0	302	0	26	256	3	0	285	0	22	0	14	0	36	0	10	0	19	0	29	652
11:45 AM	3	16	327	41	0	387	0	18	251	8	0	277	0	34	0	27	1	61	0	5	0	15	1	20	745
Hourly Total	4	35	582	68	0	689	0	44	507	11	0	562	0	56	0	41	1	97	0	15	0	34	1	49	1397

12:00 PM	1	21	264	29	1	315	0	33	298	3	0	334	0	21	0	36	3	57	0	14	3	9	0	26	732
12:15 PM	0	19	299	45	0	363	0	11	362	4	0	377	0	29	1	32	2	62	0	7	2	12	2	21	823
12:30 PM	3	12	329	37	0	381	0	21	349	6	1	376	0	40	4	29	2	73	0	8	0	16	0	24	854
12:45 PM	2	8	280	33	0	323	1	13	322	8	0	344	0	25	0	21	1	46	0	6	1	13	0	20	733
Hourly Total	6	60	1172	144	1	1382	1	78	1331	21	1	1431	0	115	5	118	8	238	0	35	6	50	2	91	3142
1:00 PM	0	9	296	20	0	325	0	13	285	4	0	302	0	29	0	20	0	49	0	2	1	12	1	15	691
1:15 PM	0	11	317	22	0	350	0	13	283	7	0	303	0	22	0	16	0	38	0	11	2	12	3	25	716
1:30 PM	3	10	304	31	0	348	0	27	324	6	0	357	0	25	0	27	0	52	0	7	4	7	0	18	775
1:45 PM	4	17	286	25	0	332	0	9	333	7	0	349	0	19	0	33	2	52	0	5	2	6	0	13	746
Hourly Total	7	47	1203	98	0	1355	0	62	1225	24	0	1311	0	95	0	96	2	191	0	25	9	37	4	71	2928
Grand Total	48	407	9440	923	12	10818	2	460	9998	171	5	10631	0	728	16	683	22	1427	0	232	28	290	24	550	23426
Approach %	0.4	3.8	87.3	8.5	-	-	0.0	4.3	94.0	1.6	-	-	0.0	51.0	1.1	47.9	-	-	0.0	42.2	5.1	52.7	-	-	-
Total %	0.2	1.7	40.3	3.9	-	46.2	0.0	2.0	42.7	0.7	-	45.4	0.0	3.1	0.1	2.9	-	6.1	0.0	1.0	0.1	1.2	-	2.3	-
Lights	48	403	9262	916	-	10629	2	460	9802	169	-	10433	0	727	16	676	-	1419	0	227	28	288	-	543	23024
% Lights	100.0	99.0	98.1	99.2	-	98.3	100.0	100.0	98.0	98.8	-	98.1	-	99.9	100.0	99.0	-	99.4	-	97.8	100.0	99.3	-	98.7	98.3
Buses	0	2	48	1	-	51	0	0	52	1	-	53	0	0	0	1	-	1	0	1	0	0	-	1	106
% Buses	0.0	0.5	0.5	0.1	-	0.5	0.0	0.0	0.5	0.6	-	0.5	-	0.0	0.0	0.1	-	0.1	-	0.4	0.0	0.0	-	0.2	0.5
Single-Unit Trucks	0	2	77	5	-	84	0	0	106	1	-	107	0	1	0	5	-	6	0	4	0	2	-	6	203
% Single-Unit Trucks	0.0	0.5	0.8	0.5	-	0.8	0.0	0.0	1.1	0.6	-	1.0	-	0.1	0.0	0.7	-	0.4	-	1.7	0.0	0.7	-	1.1	0.9
Articulated Trucks	0	0	53	1	-	54	0	0	38	0	-	38	0	0	0	1	-	1	0	0	0	0	-	0	93
% Articulated Trucks	0.0	0.0	0.6	0.1	-	0.5	0.0	0.0	0.4	0.0	-	0.4	-	0.0	0.0	0.1	-	0.1	-	0.0	0.0	0.0	-	0.0	0.4
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	-	0.0	0.0
Pedestrians	-	-	-	-	12	-	-	-	-	-	5	-	-	-	-	-	22	-	-	-	-	-	24	-	-
% 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: Gold Road with Shared Access  
Drive  
Site Code:  
Start Date: 05/16/2019  
Page No: 3

### Turning Movement Peak Hour Data (7:30 AM)

Start Time	Golf Road Eastbound						Golf Road Westbound						Access Drive Northbound						Access Drive 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	8	289	25	0	322	0	10	379	4	0	393	0	17	0	12	0	29	0	4	0	4	0	8	752
7:45 AM	1	2	284	21	0	308	0	7	306	2	0	315	0	17	1	19	0	37	0	4	0	2	0	6	666
8:00 AM	0	10	240	22	1	272	0	12	313	3	1	328	0	14	1	11	1	26	0	3	0	5	1	8	634
8:15 AM	0	9	244	15	0	268	0	5	286	4	0	295	0	11	0	16	0	27	0	7	0	6	1	13	603
Total	1	29	1057	83	1	1170	0	34	1284	13	1	1331	0	59	2	58	1	119	0	18	0	17	2	35	2655
Approach %	0.1	2.5	90.3	7.1	-	-	0.0	2.6	96.5	1.0	-	-	0.0	49.6	1.7	48.7	-	-	0.0	51.4	0.0	48.6	-	-	-
Total %	0.0	1.1	39.8	3.1	-	44.1	0.0	1.3	48.4	0.5	-	50.1	0.0	2.2	0.1	2.2	-	4.5	0.0	0.7	0.0	0.6	-	1.3	-
PHF	0.250	0.725	0.914	0.830	-	0.908	0.000	0.708	0.847	0.813	-	0.847	0.000	0.868	0.500	0.763	-	0.804	0.000	0.643	0.000	0.708	-	0.673	0.883
Lights	1	27	1023	82	-	1133	0	34	1248	13	-	1295	0	58	2	58	-	118	0	16	0	17	-	33	2579
% Lights	100.0	93.1	96.8	98.8	-	96.8	-	100.0	97.2	100.0	-	97.3	-	98.3	100.0	100.0	-	99.2	-	88.9	-	100.0	-	94.3	97.1
Buses	0	2	11	0	-	13	0	0	10	0	-	10	0	0	0	0	-	0	0	1	0	0	-	1	24
% Buses	0.0	6.9	1.0	0.0	-	1.1	-	0.0	0.8	0.0	-	0.8	-	0.0	0.0	0.0	-	0.0	-	5.6	-	0.0	-	2.9	0.9
Single-Unit Trucks	0	0	17	1	-	18	0	0	19	0	-	19	0	1	0	0	-	1	0	1	0	0	-	1	39
% Single-Unit Trucks	0.0	0.0	1.6	1.2	-	1.5	-	0.0	1.5	0.0	-	1.4	-	1.7	0.0	0.0	-	0.8	-	5.6	-	0.0	-	2.9	1.5
Articulated Trucks	0	0	6	0	-	6	0	0	7	0	-	7	0	0	0	0	-	0	0	0	0	0	-	0	13
% Articulated Trucks	0.0	0.0	0.6	0.0	-	0.5	-	0.0	0.5	0.0	-	0.5	-	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	0.0	0.5
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	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	-
% 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: Gold Road with Shared Access  
Drive  
Site Code:  
Start Date: 05/16/2019  
Page No: 4

### Turning Movement Peak Hour Data (11:30 AM)

Start Time	Golf Road Eastbound						Golf Road Westbound						Access Drive Northbound						Access Drive 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	
11:30 AM	0	10	209	36	0	255	0	22	238	5	0	265	0	25	2	19	0	46	0	8	1	10	0	19	585
11:45 AM	0	22	247	32	0	301	0	10	229	9	0	248	0	28	0	23	0	51	0	10	0	6	0	16	616
12:00 PM	1	17	213	32	0	263	0	19	226	5	0	250	0	27	0	24	0	51	0	10	2	17	0	29	593
12:15 PM	4	19	195	24	0	242	0	6	241	4	0	251	0	30	0	9	0	39	0	13	1	12	1	26	558
Total	5	68	864	124	0	1061	0	57	934	23	0	1014	0	110	2	75	0	187	0	41	4	45	1	90	2352
Approach %	0.5	6.4	81.4	11.7	-	-	0.0	5.6	92.1	2.3	-	-	0.0	58.8	1.1	40.1	-	-	0.0	45.6	4.4	50.0	-	-	-
Total %	0.2	2.9	36.7	5.3	-	45.1	0.0	2.4	39.7	1.0	-	43.1	0.0	4.7	0.1	3.2	-	8.0	0.0	1.7	0.2	1.9	-	3.8	-
PHF	0.313	0.773	0.874	0.861	-	0.881	0.000	0.648	0.969	0.639	-	0.957	0.000	0.917	0.250	0.781	-	0.917	0.000	0.788	0.500	0.662	-	0.776	0.955
Lights	5	68	830	121	-	1024	0	57	904	22	-	983	0	110	2	72	-	184	0	41	4	44	-	89	2280
% Lights	100.0	100.0	96.1	97.6	-	96.5	-	100.0	96.8	95.7	-	96.9	-	100.0	100.0	96.0	-	98.4	-	100.0	100.0	97.8	-	98.9	96.9
Buses	0	0	6	0	-	6	0	0	8	0	-	8	0	0	0	0	-	0	0	0	0	0	-	0	14
% Buses	0.0	0.0	0.7	0.0	-	0.6	-	0.0	0.9	0.0	-	0.8	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.6
Single-Unit Trucks	0	0	13	3	-	16	0	0	15	1	-	16	0	0	0	3	-	3	0	0	0	1	-	1	36
% Single-Unit Trucks	0.0	0.0	1.5	2.4	-	1.5	-	0.0	1.6	4.3	-	1.6	-	0.0	0.0	4.0	-	1.6	-	0.0	0.0	2.2	-	1.1	1.5
Articulated Trucks	0	0	15	0	-	15	0	0	7	0	-	7	0	0	0	0	-	0	0	0	0	0	-	0	22
% Articulated Trucks	0.0	0.0	1.7	0.0	-	1.4	-	0.0	0.7	0.0	-	0.7	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.9
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	0.0
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-



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

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

Count Name: Gold Road with Shared Access  
Drive  
Site Code:  
Start Date: 05/16/2019  
Page No: 5

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

Start Time	Golf Road Eastbound						Golf Road Westbound						Access Drive Northbound						Access Drive 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	
4:45 PM	2	7	366	22	0	397	0	10	367	10	0	387	0	14	0	26	2	40	0	12	0	4	0	16	840
5:00 PM	1	12	346	22	1	381	0	11	366	5	0	382	0	20	0	23	0	43	0	3	0	4	0	7	813
5:15 PM	1	20	387	24	6	432	0	8	334	5	1	347	0	15	1	19	1	35	0	5	0	10	8	15	829
5:30 PM	3	19	330	27	2	379	0	11	359	5	0	375	0	16	1	14	2	31	0	11	0	9	2	20	805
Total	7	58	1429	95	9	1589	0	40	1426	25	1	1491	0	65	2	82	5	149	0	31	0	27	10	58	3287
Approach %	0.4	3.7	89.9	6.0	-	-	0.0	2.7	95.6	1.7	-	-	0.0	43.6	1.3	55.0	-	-	0.0	53.4	0.0	46.6	-	-	-
Total %	0.2	1.8	43.5	2.9	-	48.3	0.0	1.2	43.4	0.8	-	45.4	0.0	2.0	0.1	2.5	-	4.5	0.0	0.9	0.0	0.8	-	1.8	-
PHF	0.583	0.725	0.923	0.880	-	0.920	0.000	0.909	0.971	0.625	-	0.963	0.000	0.813	0.500	0.788	-	0.866	0.000	0.646	0.000	0.675	-	0.725	0.978
Lights	7	58	1413	94	-	1572	0	40	1416	25	-	1481	0	65	2	81	-	148	0	31	0	27	-	58	3259
% Lights	100.0	100.0	98.9	98.9	-	98.9	-	100.0	99.3	100.0	-	99.3	-	100.0	100.0	98.8	-	99.3	-	100.0	-	100.0	-	100.0	99.1
Buses	0	0	4	1	-	5	0	0	1	0	-	1	0	0	0	1	-	1	0	0	0	0	-	0	7
% Buses	0.0	0.0	0.3	1.1	-	0.3	-	0.0	0.1	0.0	-	0.1	-	0.0	0.0	1.2	-	0.7	-	0.0	-	0.0	-	0.0	0.2
Single-Unit Trucks	0	0	5	0	-	5	0	0	5	0	-	5	0	0	0	0	-	0	0	0	0	0	-	0	10
% Single-Unit Trucks	0.0	0.0	0.3	0.0	-	0.3	-	0.0	0.4	0.0	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	0.0	0.3
Articulated Trucks	0	0	7	0	-	7	0	0	4	0	-	4	0	0	0	0	-	0	0	0	0	0	-	0	11
% Articulated Trucks	0.0	0.0	0.5	0.0	-	0.4	-	0.0	0.3	0.0	-	0.3	-	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	0.0	0.3
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0
% 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	-	-	-	-	9	-	-	-	-	-	1	-	-	-	-	-	5	-	-	-	-	-	10	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-





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

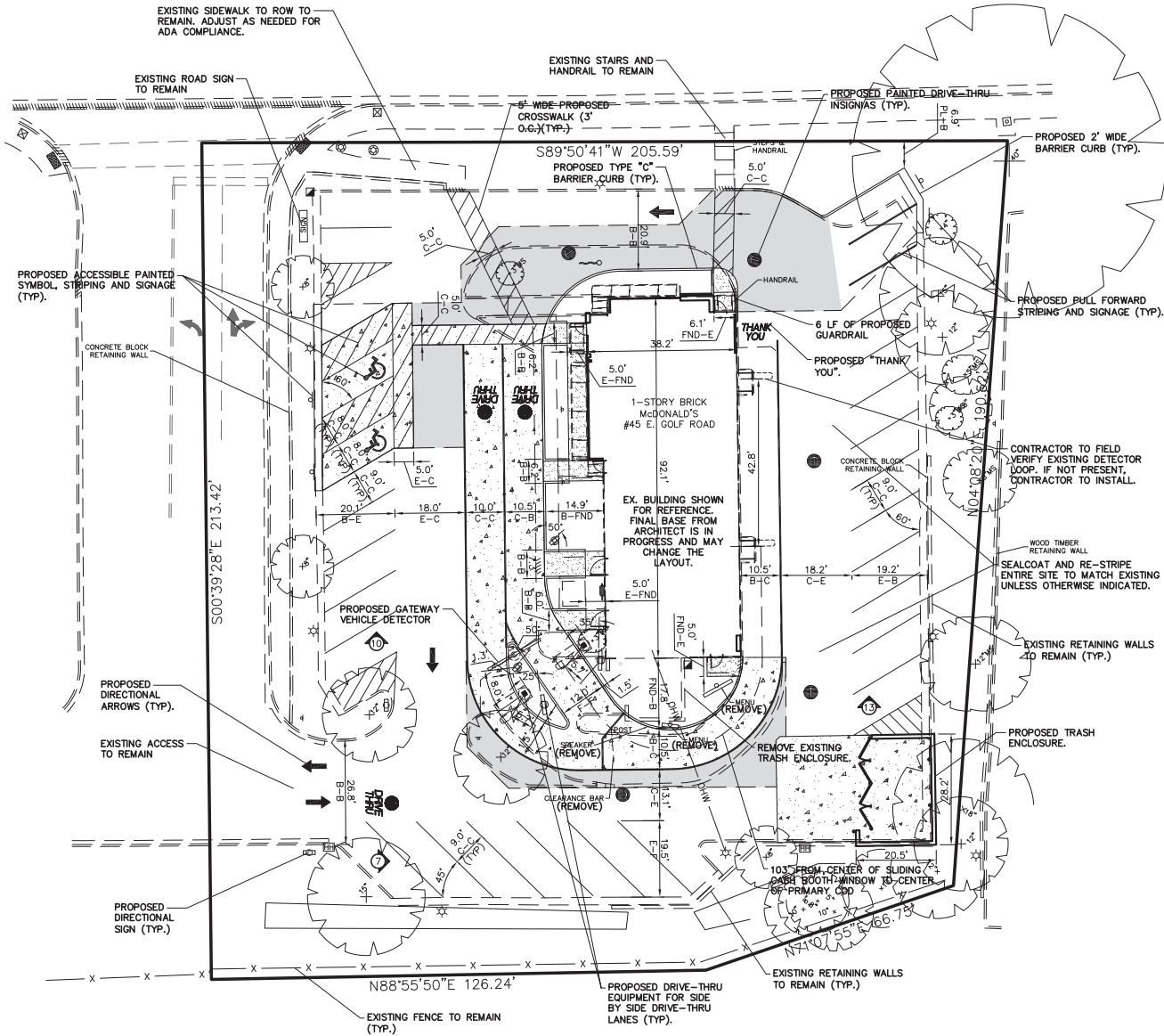
Rosemont, Illinois, United States 60018  
(847)518-9990

Count Name: Gold Road with Shared Access  
Drive  
Site Code:  
Start Date: 05/16/2019  
Page No: 6

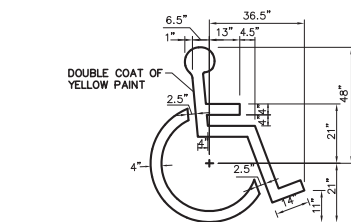
### Turning Movement Peak Hour Data (11:45 AM)

Start Time	Golf Road Eastbound						Golf Road Westbound						Access Drive Northbound						Access Drive 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	
11:45 AM	3	16	327	41	0	387	0	18	251	8	0	277	0	34	0	27	1	61	0	5	0	15	1	20	745
12:00 PM	1	21	264	29	1	315	0	33	298	3	0	334	0	21	0	36	3	57	0	14	3	9	0	26	732
12:15 PM	0	19	299	45	0	363	0	11	362	4	0	377	0	29	1	32	2	62	0	7	2	12	2	21	823
12:30 PM	3	12	329	37	0	381	0	21	349	6	1	376	0	40	4	29	2	73	0	8	0	16	0	24	854
Total	7	68	1219	152	1	1446	0	83	1260	21	1	1364	0	124	5	124	8	253	0	34	5	52	3	91	3154
Approach %	0.5	4.7	84.3	10.5	-	-	0.0	6.1	92.4	1.5	-	-	0.0	49.0	2.0	49.0	-	-	0.0	37.4	5.5	57.1	-	-	-
Total %	0.2	2.2	38.6	4.8	-	45.8	0.0	2.6	39.9	0.7	-	43.2	0.0	3.9	0.2	3.9	-	8.0	0.0	1.1	0.2	1.6	-	2.9	-
PHF	0.583	0.810	0.926	0.844	-	0.934	0.000	0.629	0.870	0.656	-	0.905	0.000	0.775	0.313	0.861	-	0.866	0.000	0.607	0.417	0.813	-	0.875	0.923
Lights	7	68	1211	151	-	1437	0	83	1246	21	-	1350	0	124	5	123	-	252	0	34	5	52	-	91	3130
% Lights	100.0	100.0	99.3	99.3	-	99.4	-	100.0	98.9	100.0	-	99.0	-	100.0	100.0	99.2	-	99.6	-	100.0	100.0	100.0	-	100.0	99.2
Buses	0	0	2	0	-	2	0	0	3	0	-	3	0	0	0	0	-	0	0	0	0	0	-	0	5
% Buses	0.0	0.0	0.2	0.0	-	0.1	-	0.0	0.2	0.0	-	0.2	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	0.2
Single-Unit Trucks	0	0	4	1	-	5	0	0	7	0	-	7	0	0	0	1	-	1	0	0	0	0	-	0	13
% Single-Unit Trucks	0.0	0.0	0.3	0.7	-	0.3	-	0.0	0.6	0.0	-	0.5	-	0.0	0.0	0.8	-	0.4	-	0.0	0.0	0.0	-	0.0	0.4
Articulated Trucks	0	0	2	0	-	2	0	0	4	0	-	4	0	0	0	0	-	0	0	0	0	0	-	0	6
% Articulated Trucks	0.0	0.0	0.2	0.0	-	0.1	-	0.0	0.3	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	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	0.0
Pedestrians	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	8	-	-	-	-	-	3	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-

Rt gno k p c t { "U k g" R n p

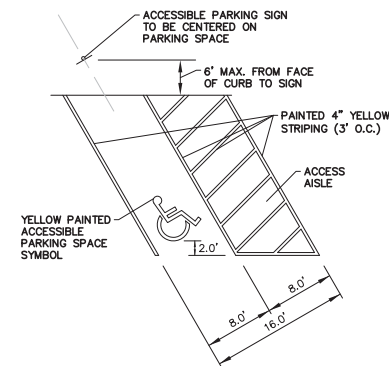


ACCESSIBLE PARKING SPACE BOLLARD SIGN DETAIL



ACCESSIBLE PARKING SPACE SYMBOL

- 1. SYMBOL IS CENTERED ON WIDTH OF PARKING STALL AND 2' FROM THE END OF THE STALL.



ACCESSIBLE PARKING SPACE DETAIL

GENERAL NOTES:  
1. THESE PLANS ARE BASED ON THE BOUNDARY AND TOPOGRAPHIC SURVEY (SURVEY PROJECT #18-0411 DATED 01/16/19)  
PREPARED BY: COMPASS SURVEYING LTD  
2631 GINGER WOODS PARKWAY, STE 100, AURORA, IL 60502  
(630) 820-9100  
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.

ON SITE PARKING DATA

EX. REGULAR SPACES	35
EX. ADA ACCESSIBLE SPACES	2
EX. TOTAL SPACES	37
PROP. REGULAR SPACES	28
PROP. ADA ACCESSIBLE SPACES	2
PROP. TOTAL SPACES	30

SITE DATA

LOT AREA = 41,054 S.F. (0.94 AC.)

SITE PLAN NOTES:

- 1. ALL RADIUS DIMENSIONS ARE TO BACK OF CURB.
- 2. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- 3. ALL STRIPING TO BE DOUBLE COATED 4" YELLOW PAINT UNLESS OTHERWISE NOTED.
- 4. WHERE PEDESTRIANS HAVE TO CROSS A TAPERING RAMP OR CURB RAMP THE FACE AND TOP OF CURB ARE TO BE PAINTED USING YELLOW, SLIP RESISTANT PAINT.

PAVEMENT LEGEND

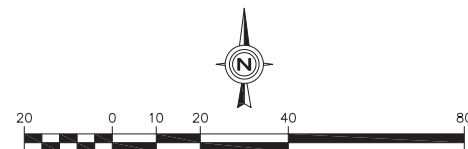
SIDEWALK	5" P.C.C. (SIX BAG MIX) 4" BASE COURSE, CRUSHED STONE OR LESTONE (CA-6) COMPACTED SUB-BASE
STANDARD DUTY	1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" IL-19.5, NSO; PG 64-22 2 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19, NSO; PG 64-22 8" BASE COURSE, CRUSHED STONE OR LESTONE (CA-6) 4 OZ WOVEN FABRIC (CLAY SUB-BASE) OR 8 OZ NON-WOVEN FABRIC (SANDY/GRANULAR SUB-BASE) COMPACTED SUB-BASE
HEAVY DUTY	1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" IL-19.5, NSO; PG 64-22 3" HOT-MIX ASPHALT BINDER COURSE, IL-19, NSO; PG 64-22 10" BASE COURSE, CRUSHED STONE OR LESTONE (CA-6) 4 OZ WOVEN FABRIC (CLAY SUB-BASE) OR 8 OZ NON-WOVEN FABRIC (SANDY/GRANULAR SUB-BASE) COMPACTED SUB-BASE
CONCRETE (DRIVE-THRU)	6" P.C. CONCRETE WITH 6"x6" NO. 10 WELDED WIRE MESH TO BE FLAT STOCK ONLY 4" BASE COURSE, CRUSHED STONE OR LESTONE (CA-6) 4 OZ WOVEN FABRIC (CLAY SUB-BASE) OR 8 OZ NON-WOVEN FABRIC (SANDY/GRANULAR SUB-BASE) COMPACTED SUB-BASE
CONCRETE DRIVEWAY AND TRASH APRONS	8" P.C. CONCRETE WITH 6"x6" NO. 10 WELDED WIRE MESH TO BE FLAT STOCK ONLY 4" BASE COURSE, CRUSHED STONE OR LESTONE (CA-6) 4 OZ WOVEN FABRIC (CLAY SUB-BASE) OR 8 OZ NON-WOVEN FABRIC (SANDY/GRANULAR SUB-BASE) COMPACTED SUB-BASE

NOTES:

- 1. REFERENCE I.D.O.T. STANDARD SPECIFICATIONS (LATEST EDITION) SECTION 406 FOR BINDER & SURFACE COURSES AND SECTION 351 FOR AGGREGATE BASE COURSE.
- 2. THE APPLICATION RATES FOR THE PRIME COAT AND TACK COAT ARE TO BE 0.30 AND 0.10 GALLONS PER SQUARE YARD, RESPECTIVELY.
- 3. SEE PROJECT SPECIFICATIONS FOR SUB-BASE AND BASE COURSE COMPACTION.
- 4. ALL CONCRETE FLATWORK TO INCLUDE A JOINTING PATTERN SUBMITTAL TO THE CONSTRUCTION MANAGER. CONTRACTOR TO STAY AS CLOSE TO 9'x9' SQUARE PANELS IN LARGE CONCRETE FLATWORK AREAS AS POSSIBLE.
- 5. FOR SIDEWALKS, PROVIDE TOOLED JOINTS AT 5' O.C., CONTRACTION JOINTS AT 15' O.C., EXPANSION JOINTS AT 45' O.C.
- 6. PROVIDE AN EXPANSION JOINT ADJACENT TO ALL STRUCTURES. THESE JOINTS SHOULD BE SEALED WITH A TOOL-FINISHED SILICONE SEALANT PER I.D.O.T. STANDARD.

DIMENSION LEGEND

F = FACE	FNC = FENCE
FND = FOUNDATION	R = RADIUS
B = BACK	C = CENTER
E = EDGE	PL = PROPERTY LINE



GEOMETRIC PLAN

DATE: \_\_\_\_\_  
NO.: \_\_\_\_\_  
REVISIONS: \_\_\_\_\_  
Prepared For: \_\_\_\_\_  
McDonald's  
711 Jorie Blvd., 3rd Floor  
Oak Brook, IL 60523  
McDonald's - ARLINGTON HEIGHTS  
45 E. Golf Road  
Arlington Heights, Illinois  
Prepared By: \_\_\_\_\_  
Watermark Engineering  
RESOURCES, LTD  
2631 Ginger Woods Parkway, Suite 100, Aurora, IL 60502  
phone 630-375-1800 fax 630-296-9800 www.watermark-engineering.com  
CHECKED BY: J. MILLER  
DESIGN BY: H. WITTENKELLER  
DRAWN BY: K. SACK  
DATE: APRIL 17, 2019  
SCALE: 1" = 20'  
PROJECT NO.: 18-108  
C-2  
LC #12-1434

GEOMETRIC PLAN

## CMAP 2050 Projections Letter



Chicago Metropolitan  
Agency for Planning

233 South Wacker Drive  
Suite 800  
Chicago, Illinois 60606  
  
312 454 0400  
www.cmap.illinois.gov

May 31, 2019

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

***Subject: Golf Road (IL 58) East of Arlington Heights Road***  
IDOT

Dear Mr. Bowen:

In response to a request made on your behalf and dated May 31, 2019, we have developed year 2050 average daily traffic (ADT) projections for the subject location.

ROAD SEGMENT	Current Volume	Year 2050 ADT
IL 58 from Arlington Hts Rd to IL 62	30,500	31,100

Traffic projections are developed using existing ADT data provided in the request letter and the results from the March 2019 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2050 socioeconomic projections and assumes the implementation of the ON TO 2050 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\2019\_ForecastsTraffic\ArlingtonHeights\ck-83-19\ck-83-19.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: <i>Highway Capacity Manual</i> , 2010.		

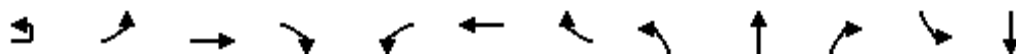
# Capacity Analysis Summary Sheets

Existing Weekday Morning Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019

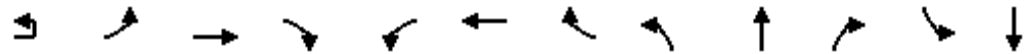


Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations		↔	↑↑↑		↔	↑↑↑		↔	↑		↔	↑
Traffic Volume (vph)	1	29	1057	83	34	1284	13	59	2	58	18	0
Future Volume (vph)	1	29	1057	83	34	1284	13	59	2	58	18	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)			0%			0%			0%			0%
Storage Length (ft)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		1.00	0.99		1.00	0.99
Frt			0.989			0.998			0.854			0.850
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1690	4980	0	1805	5026	0	1770	1600	0	1626	1592
Flt Permitted		0.950			0.950			0.534			0.713	
Satd. Flow (perm)	0	1687	4980	0	1803	5026	0	993	1600	0	1219	1592
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		2		1	1		2	1		1	1	
Confl. Bikes (#/hr)												
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
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	7%	3%	1%	0%	3%	0%	2%	0%	0%	11%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	34	1295	0	39	1474	0	67	68	0	20	19
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	16.0	16.0	96.0		16.0	96.0		13.0	25.0		13.0	25.0
Total Split (%)	10.7%	10.7%	64.0%		10.7%	64.0%		8.7%	16.7%		8.7%	16.7%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		8.5	112.8		8.6	113.0		19.3	12.7		16.2	11.3
Actuated g/C Ratio		0.06	0.75		0.06	0.75		0.13	0.08		0.11	0.08

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.36	0.35		0.38	0.39		0.38	0.50		0.13	0.16
Control Delay		77.7	9.2		77.6	9.5		60.6	77.7		53.3	65.8
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		77.7	9.2		77.6	9.5		60.6	77.7		53.3	65.8
LOS		E	A		E	A		E	E		D	E
Approach Delay			10.9			11.3			69.2			59.4
Approach LOS			B			B			E			E
Queue Length 50th (ft)		33	179		38	212		58	65		17	18
Queue Length 95th (ft)		68	249		75	291		98	112		39	44
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		129	3746		139	3786		183	213		175	212
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.26	0.35		0.28	0.39		0.37	0.32		0.11	0.09

### Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 150

Offset: 22.5 (15%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 55

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.50

Intersection Signal Delay: 14.3

Intersection LOS: B

Intersection Capacity Utilization 46.5%

ICU Level of Service A

Analysis Period (min) 15

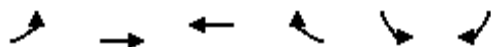
Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road

Ø1	Ø2 (R)	Ø3	Ø4
16 s	96 s	13 s	25 s
Ø5	Ø6 (R)	Ø7	Ø8
16 s	96 s	13 s	25 s

# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	16	0	0	103	96	21
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	16	103	0	117	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.93	0.85
Saturated Flow (vph)	0	1805	1615	0	1773	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		118	
Reference Time A (s)	0.0	16.0	7.7		118.8	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	9.1	9.1	7.7		NA	
Reference Time (s)		9.1	7.7			
Adj Reference Time (s)		13.1	11.7			
Split Option						
Ref Time Combined (s)	0.0	1.1	7.7		7.9	
Ref Time Seperate (s)	1.1	0.0	0.0		6.5	
Reference Time (s)	1.1	1.1	7.7		7.9	
Adj Reference Time (s)	8.0	8.0	11.7		11.9	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	13.1		Err			
Split Option (s)	19.7		11.9			
Minimum (s)	13.1		11.9		25.0	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		20.8%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						

# Capacity Analysis Summary Sheets





















Existing Weekday Midday Peak Hour Conditions



# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

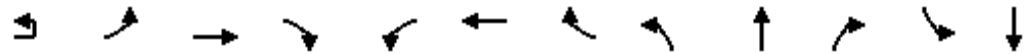
06/07/2019

												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	5	68	864	124	57	934	23	110	2	75	41	4
Future Volume (vph)	5	68	864	124	57	934	23	110	2	75	41	4
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)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00				1.00						
Frt			0.981			0.996			0.854			0.862
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	4905	0	1805	5012	0	1805	1562	0	1805	1608
Flt Permitted		0.950			0.950			0.521			0.705	
Satd. Flow (perm)	0	1804	4905	0	1805	5012	0	990	1562	0	1340	1608
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		1					1					
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 (%)	0%	0%	4%	2%	0%	3%	4%	0%	0%	4%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	76	1029	0	59	997	0	115	80	0	43	51
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	61.0		18.0	54.0		18.0	33.0		13.0	28.0
Total Split (%)	20.0%	20.0%	48.8%		14.4%	43.2%		14.4%	26.4%		10.4%	22.4%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		10.6	79.6		9.4	78.5		25.1	14.2		17.9	10.6
Actuated g/C Ratio		0.08	0.64		0.08	0.63		0.20	0.11		0.14	0.08

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.50	0.33		0.43	0.32		0.42	0.45		0.20	0.38
Control Delay		65.0	12.9		64.3	13.3		44.9	58.9		39.4	61.3
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		65.0	12.9		64.3	13.3		44.9	58.9		39.4	61.3
LOS		E	B		E	B		D	E		D	E
Approach Delay			16.4			16.1			50.7			51.3
Approach LOS			B			B			D			D
Queue Length 50th (ft)		60	145		46	142		78	61		28	40
Queue Length 95th (ft)		108	211		90	209		125	109		57	80
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		296	3122		194	3149		300	349		246	295
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.26	0.33		0.30	0.32		0.38	0.23		0.17	0.17

### Intersection Summary

Area Type: Other

Cycle Length: 125

Actuated Cycle Length: 125

Offset: 22.5 (18%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 50

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.50

Intersection Signal Delay: 20.4

Intersection LOS: C

Intersection Capacity Utilization 47.6%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	79	0	0	108	108	77
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	79	108	0	185	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.91	0.85
Saturated Flow (vph)	0	1805	1615	0	1729	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		115	
Reference Time A (s)	0.0	78.8	8.0		192.6	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	13.3	13.3	8.0		NA	
Reference Time (s)		13.3	8.0			
Adj Reference Time (s)		17.3	12.0			
Split Option						
Ref Time Combined (s)	0.0	5.3	8.0		12.8	
Ref Time Seperate (s)	5.3	0.0	0.0		7.5	
Reference Time (s)	5.3	5.3	8.0		12.8	
Adj Reference Time (s)	9.3	9.3	12.0		16.8	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	17.3		Err			
Split Option (s)	21.3		16.8			
Minimum (s)	17.3		16.8		34.1	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		28.4%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						





















# Capacity Analysis Summary Sheets

Existing Weekday Evening Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

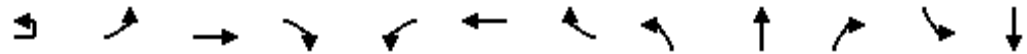
06/07/2019

												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	7	58	1429	95	40	1426	25	65	2	82	31	0
Future Volume (vph)	7	58	1429	95	40	1426	25	65	2	82	31	0
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)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		0.99	0.99		1.00	0.97
Frt			0.991			0.997			0.853			0.850
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	5082	0	1805	5118	0	1805	1584	0	1805	1574
Flt Permitted		0.950			0.950			0.578			0.701	
Satd. Flow (perm)	0	1797	5082	0	1799	5118	0	1087	1584	0	1331	1574
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		10		5	5		10	9		1	1	
Confl. Bikes (#/hr)												
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	1%	1%	0%	1%	0%	0%	0%	1%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	66	1555	0	41	1481	0	66	86	0	32	28
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	85.0		18.0	78.0		13.0	34.0		13.0	34.0
Total Split (%)	16.7%	16.7%	56.7%		12.0%	52.0%		8.7%	22.7%		8.7%	22.7%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		10.8	107.0		8.8	105.2		21.6	14.4		19.2	13.1
Actuated g/C Ratio		0.07	0.71		0.06	0.70		0.14	0.10		0.13	0.09

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.51	0.43		0.39	0.41		0.33	0.57		0.16	0.20
Control Delay		79.8	11.2		77.7	11.9		56.4	78.3		52.2	64.8
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		79.8	11.2		77.7	11.9		56.4	78.3		52.2	64.8
LOS		E	B		E	B		E	E		D	E
Approach Delay			14.0			13.7			68.8			58.1
Approach LOS			B			B			E			E
Queue Length 50th (ft)		63	244		39	238		56	82		26	26
Queue Length 95th (ft)		113	342		81	337		96	138		55	58
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		246	3624		162	3588		206	306		210	304
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.27	0.43		0.25	0.41		0.32	0.28		0.15	0.09

### Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 150

Offset: 22.5 (15%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 55

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.57

Intersection Signal Delay: 17.1

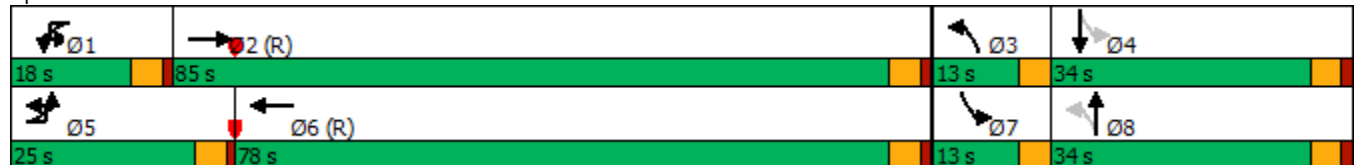
Intersection LOS: B

Intersection Capacity Utilization 55.4%

ICU Level of Service B

Analysis Period (min) 15

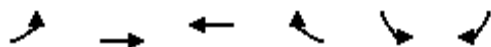
Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	89	0	0	60	55	80
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	89	60	0	135	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.89	0.85
Saturated Flow (vph)	0	1805	1615	0	1696	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		113	
Reference Time A (s)	0.0	88.8	4.5		143.3	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	13.9	13.9	4.5		NA	
Reference Time (s)		13.9	4.5			
Adj Reference Time (s)		17.9	8.5			
Split Option						
Ref Time Combined (s)	0.0	5.9	4.5		9.6	
Ref Time Seperate (s)	5.9	0.0	0.0		3.9	
Reference Time (s)	5.9	5.9	4.5		9.6	
Adj Reference Time (s)	9.9	9.9	8.5		13.6	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	17.9		Err			
Split Option (s)	18.4		13.6			
Minimum (s)	17.9		13.6		31.5	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		26.2%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						























# Capacity Analysis Summary Sheets

Existing Saturday Midday Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

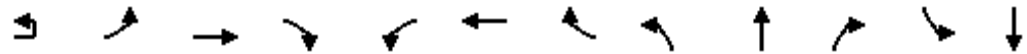
06/07/2019

												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	7	68	1219	152	83	1260	21	124	5	124	34	5
Future Volume (vph)	7	68	1219	152	83	1260	21	124	5	124	34	5
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)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		1.00	0.99		1.00	0.99
Frt			0.983			0.998			0.855			0.862
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	5032	0	1805	5124	0	1805	1588	0	1805	1617
Flt Permitted		0.950			0.950			0.544			0.668	
Satd. Flow (perm)	0	1803	5032	0	1797	5124	0	1033	1588	0	1268	1617
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		3		8	8		3	1		1	1	
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	1%	1%	0%	1%	0%	0%	0%	1%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	82	1490	0	90	1393	0	135	140	0	37	62
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	61.0		18.0	54.0		18.0	33.0		13.0	28.0
Total Split (%)	20.0%	20.0%	48.8%		14.4%	43.2%		14.4%	26.4%		10.4%	22.4%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		11.0	72.6		11.5	75.4		27.8	19.2		19.3	12.2
Actuated g/C Ratio		0.09	0.58		0.09	0.60		0.22	0.15		0.15	0.10

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.52	0.51		0.54	0.45		0.43	0.58		0.16	0.39
Control Delay		65.3	18.2		65.6	16.6		43.0	58.3		36.4	59.0
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		65.3	18.2		65.6	16.6		43.0	58.3		36.4	59.0
LOS		E	B		E	B		D	E		D	E
Approach Delay			20.7			19.6			50.8			50.5
Approach LOS			C			B			D			D
Queue Length 50th (ft)		64	259		71	232		91	109		23	48
Queue Length 95th (ft)		115	379		123	339		137	170		48	90
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		296	2924		201	3091		322	355		256	297
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.28	0.51		0.45	0.45		0.42	0.39		0.14	0.21

### Intersection Summary

Area Type: Other

Cycle Length: 125

Actuated Cycle Length: 125

Offset: 22.5 (18%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 60

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.58

Intersection Signal Delay: 23.5

Intersection LOS: C

Intersection Capacity Utilization 60.6%

ICU Level of Service B

Analysis Period (min) 15

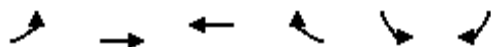
Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	129	0	0	124	117	123
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	129	124	0	240	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.90	0.85
Saturated Flow (vph)	0	1805	1615	0	1711	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		114	
Reference Time A (s)	0.0	128.6	9.2		252.5	
Adj Saturation B (vph)	NA	NA	1615		NA	
Reference Time B (s)	NA	NA	9.2		NA	
Reference Time (s)		128.6	9.2			
Adj Reference Time (s)		132.6	13.2			
Split Option						
Ref Time Combined (s)	0.0	8.6	9.2		16.8	
Ref Time Seperate (s)	8.6	0.0	0.0		8.2	
Reference Time (s)	8.6	8.6	9.2		16.8	
Adj Reference Time (s)	12.6	12.6	13.2		20.8	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	132.6		Err			
Split Option (s)	25.8		20.8			
Minimum (s)	25.8		20.8		46.6	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		38.9%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						

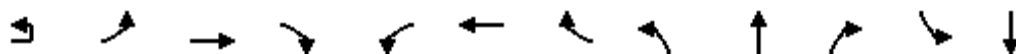
# Capacity Analysis Summary Sheets

Total Projected Weekday Morning Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019

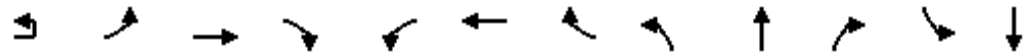


Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations		↔	↑↑↑		↔	↑↑↑		↔	↑		↔	↑
Traffic Volume (vph)	1	29	1057	88	36	1284	13	64	2	60	18	0
Future Volume (vph)	1	29	1057	88	36	1284	13	64	2	60	18	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)			0%			0%			0%			0%
Storage Length (ft)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		1.00	0.99		1.00	0.99
Frt			0.988			0.998			0.854			0.850
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1690	4632	0	1805	5026	0	1770	1600	0	1626	1592
Flt Permitted		0.950			0.950			0.524			0.711	
Satd. Flow (perm)	0	1687	4632	0	1803	5026	0	975	1600	0	1215	1592
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		2		1	1		2	1		1	1	
Confl. Bikes (#/hr)												
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
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	7%	3%	100%	0%	3%	0%	2%	0%	0%	11%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	34	1301	0	41	1474	0	73	70	0	20	19
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	16.0	16.0	96.0		16.0	96.0		13.0	25.0		13.0	25.0
Total Split (%)	10.7%	10.7%	64.0%		10.7%	64.0%		8.7%	16.7%		8.7%	16.7%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		8.5	108.9		8.8	109.2		20.1	12.9		16.4	11.5
Actuated g/C Ratio		0.06	0.73		0.06	0.73		0.13	0.09		0.11	0.08

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.36	0.39		0.39	0.40		0.40	0.51		0.13	0.16
Control Delay		77.7	9.9		77.8	9.9		60.9	77.8		53.0	65.5
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		77.7	9.9		77.8	9.9		60.9	77.8		53.0	65.5
LOS		E	A		E	A		E	E		D	E
Approach Delay			11.7			11.7			69.1			59.1
Approach LOS			B			B			E			E
Queue Length 50th (ft)		33	187		39	213		63	67		17	18
Queue Length 95th (ft)		68	260		79	293		105	115		39	44
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		129	3362		139	3659		183	213		176	212
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.26	0.39		0.29	0.40		0.40	0.33		0.11	0.09

### Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 150

Offset: 22.5 (15%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 55

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.51

Intersection Signal Delay: 15.0

Intersection LOS: B

Intersection Capacity Utilization 48.5%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road





# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



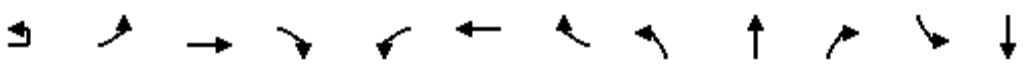
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	16	0	0	110	103	21
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	16	110	0	124	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.93	0.85
Saturated Flow (vph)	0	1805	1615	0	1775	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		118	
Reference Time A (s)	0.0	16.0	8.2		125.8	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	9.1	9.1	8.2		NA	
Reference Time (s)		9.1	8.2			
Adj Reference Time (s)		13.1	12.2			
Split Option						
Ref Time Combined (s)	0.0	1.1	8.2		8.4	
Ref Time Seperate (s)	1.1	0.0	0.0		7.0	
Reference Time (s)	1.1	1.1	8.2		8.4	
Adj Reference Time (s)	8.0	8.0	12.2		12.4	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	13.1		Err			
Split Option (s)	20.2		12.4			
Minimum (s)	13.1		12.4		25.4	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		21.2%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						

Capacity Analysis Summary Sheets  
Total Projected Weekday Midday Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

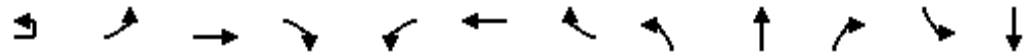
06/07/2019

												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	5	68	868	129	59	939	23	115	2	77	41	4
Future Volume (vph)	5	68	868	129	59	939	23	115	2	77	41	4
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)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00				1.00						
Frt			0.981			0.996			0.854			0.862
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	4905	0	1805	5012	0	1805	1562	0	1805	1608
Flt Permitted		0.950			0.950			0.521			0.704	
Satd. Flow (perm)	0	1804	4905	0	1805	5012	0	990	1562	0	1338	1608
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		1					1					
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 (%)	0%	0%	4%	2%	0%	3%	4%	0%	0%	4%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	76	1038	0	61	1002	0	120	82	0	43	51
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	61.0		18.0	54.0		18.0	33.0		13.0	28.0
Total Split (%)	20.0%	20.0%	48.8%		14.4%	43.2%		14.4%	26.4%		10.4%	22.4%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		10.6	79.2		9.6	78.3		25.3	14.4		17.9	10.6
Actuated g/C Ratio		0.08	0.63		0.08	0.63		0.20	0.12		0.14	0.08

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.50	0.33		0.44	0.32		0.43	0.46		0.20	0.38
Control Delay		65.0	13.1		64.4	13.4		45.1	58.8		39.2	61.3
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		65.0	13.1		64.4	13.4		45.1	58.8		39.2	61.3
LOS		E	B		E	B		D	E		D	E
Approach Delay			16.6			16.3			50.7			51.2
Approach LOS			B			B			D			D
Queue Length 50th (ft)		60	148		48	144		81	63		28	40
Queue Length 95th (ft)		108	214		92	210		130	112		57	80
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		296	3109		194	3141		302	349		246	295
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.26	0.33		0.31	0.32		0.40	0.23		0.17	0.17

### Intersection Summary

Area Type: Other

Cycle Length: 125

Actuated Cycle Length: 125

Offset: 22.5 (18%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 50

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.50

Intersection Signal Delay: 20.6

Intersection LOS: C

Intersection Capacity Utilization 48.1%

ICU Level of Service A

Analysis Period (min) 15

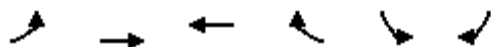
Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019























Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	79	0	0	115	115	77
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	79	115	0	192	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.91	0.85
Saturated Flow (vph)	0	1805	1615	0	1732	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		115	
Reference Time A (s)	0.0	78.8	8.5		199.5	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	13.3	13.3	8.5		NA	
Reference Time (s)		13.3	8.5			
Adj Reference Time (s)		17.3	12.5			
Split Option						
Ref Time Combined (s)	0.0	5.3	8.5		13.3	
Ref Time Seperate (s)	5.3	0.0	0.0		8.0	
Reference Time (s)	5.3	5.3	8.5		13.3	
Adj Reference Time (s)	9.3	9.3	12.5		17.3	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	17.3		Err			
Split Option (s)	21.8		17.3			
Minimum (s)	17.3		17.3		34.6	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		28.8%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						

Capacity Analysis Summary Sheets  
Total Projected Weekday Evening Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019

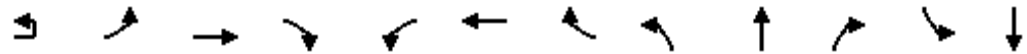
												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	7	58	1436	99	41	1433	25	69	2	83	31	0
Future Volume (vph)	7	58	1436	99	41	1433	25	69	2	83	31	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)			0%			0%			0%			0%
Storage Length (ft)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		0.99	0.99		1.00	0.97
Frt			0.990			0.997			0.853			0.850
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	5076	0	1805	5118	0	1805	1584	0	1805	1574
Flt Permitted		0.950			0.950			0.575			0.701	
Satd. Flow (perm)	0	1797	5076	0	1799	5118	0	1081	1584	0	1331	1574
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		10		5	5		10	9		1	1	
Confl. Bikes (#/hr)												
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	1%	1%	0%	1%	0%	0%	0%	1%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	66	1566	0	42	1488	0	70	87	0	32	28
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	85.0		18.0	78.0		13.0	34.0		13.0	34.0
Total Split (%)	16.7%	16.7%	56.7%		12.0%	52.0%		8.7%	22.7%		8.7%	22.7%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		10.8	106.8		8.9	105.1		21.7	14.5		19.3	13.2
Actuated g/C Ratio		0.07	0.71		0.06	0.70		0.14	0.10		0.13	0.09



# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.51	0.43		0.40	0.42		0.34	0.57		0.16	0.20
Control Delay		79.8	11.4		77.8	12.0		56.9	78.3		52.1	64.6
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		79.8	11.4		77.8	12.0		56.9	78.3		52.1	64.6
LOS		E	B		E	B		E	E		D	E
Approach Delay			14.1			13.8			68.7			57.9
Approach LOS			B			B			E			E
Queue Length 50th (ft)		63	248		40	240		59	83		26	26
Queue Length 95th (ft)		113	347		82	340		100	138		55	57
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		246	3614		162	3585		206	306		210	304
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.27	0.43		0.26	0.42		0.34	0.28		0.15	0.09

### Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 150

Offset: 22.5 (15%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 55

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.57

Intersection Signal Delay: 17.3

Intersection LOS: B

Intersection Capacity Utilization 55.9%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	89	0	0	65	60	80
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	89	65	0	140	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.89	0.85
Saturated Flow (vph)	0	1805	1615	0	1700	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		113	
Reference Time A (s)	0.0	88.8	4.8		148.2	
Adj Saturation B (vph)	0	0	1615		NA	
Reference Time B (s)	13.9	13.9	4.8		NA	
Reference Time (s)		13.9	4.8			
Adj Reference Time (s)		17.9	8.8			
Split Option						
Ref Time Combined (s)	0.0	5.9	4.8		9.9	
Ref Time Seperate (s)	5.9	0.0	0.0		4.2	
Reference Time (s)	5.9	5.9	4.8		9.9	
Adj Reference Time (s)	9.9	9.9	8.8		13.9	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	17.9		Err			
Split Option (s)	18.7		13.9			
Minimum (s)	17.9		13.9		31.8	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		26.5%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						





















# Capacity Analysis Summary Sheets

Existing Saturday Midday Peak Hour Conditions

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

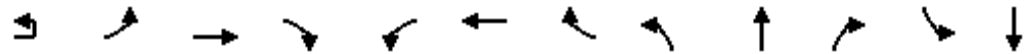
06/07/2019

												
Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (vph)	7	68	1225	157	85	1266	21	129	5	126	34	5
Future Volume (vph)	7	68	1225	157	85	1266	21	129	5	126	34	5
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)		130		0	125		0	0		0	0	
Storage Lanes		1		0	1		0	1		0	1	
Taper Length (ft)		250			130			25			25	
Lane Util. Factor	0.91	1.00	0.91	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00	1.00		1.00	1.00		1.00	0.99		1.00	0.99
Frt			0.983			0.998			0.855			0.862
Flt Protected		0.950			0.950			0.950			0.950	
Satd. Flow (prot)	0	1805	5032	0	1805	5124	0	1805	1588	0	1805	1617
Flt Permitted		0.950			0.950			0.544			0.666	
Satd. Flow (perm)	0	1803	5032	0	1797	5124	0	1033	1588	0	1264	1617
Right Turn on Red				No			No			No		
Satd. Flow (RTOR)												
Link Speed (mph)			40			40			30			30
Link Distance (ft)			760			401			215			251
Travel Time (s)			13.0			6.8			4.9			5.7
Confl. Peds. (#/hr)		3		8	8		3	1		1	1	
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	0%	0%	1%	1%	0%	1%	0%	0%	0%	1%	0%	0%
Bus Blockages (#/hr)	0	0	0	2	0	0	2	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)			0%			0%			0%			0%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	82	1503	0	92	1399	0	140	142	0	37	62
Turn Type	Prot	Prot	NA		Prot	NA		pm+pt	NA		pm+pt	NA
Protected Phases	5	5	2		1	6		3	8		7	4
Permitted Phases								8			4	
Detector Phase	5	5	2		1	6		3	8		7	4
Switch Phase												
Minimum Initial (s)	3.0	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0
Minimum Split (s)	7.5	7.5	21.0		7.5	21.0		6.5	14.0		6.5	14.0
Total Split (s)	25.0	25.0	61.0		18.0	54.0		18.0	33.0		13.0	28.0
Total Split (%)	20.0%	20.0%	48.8%		14.4%	43.2%		14.4%	26.4%		10.4%	22.4%
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.5		1.0	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
Total Lost Time (s)		4.5	5.0		4.5	5.0		3.5	5.0		3.5	5.0
Lead/Lag	Lead	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes
Recall Mode	None	None	C-Min		None	C-Min		None	None		None	None
Act Effect Green (s)		11.0	72.3		11.7	75.3		28.0	19.4		19.3	12.2
Actuated g/C Ratio		0.09	0.58		0.09	0.60		0.22	0.16		0.15	0.10

# Lanes, Volumes, Timings

## 1: Shared Access Road/International Plaza Access Road & Golf Road

06/07/2019



Lane Group	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
v/c Ratio		0.52	0.52		0.55	0.45		0.45	0.58		0.16	0.39
Control Delay		65.3	18.5		65.6	16.8		43.2	58.2		36.2	58.9
Queue Delay		0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0
Total Delay		65.3	18.5		65.6	16.8		43.2	58.2		36.2	58.9
LOS		E	B		E	B		D	E		D	E
Approach Delay			21.0			19.8			50.8			50.4
Approach LOS			C			B			D			D
Queue Length 50th (ft)		64	264		72	234		94	110		23	48
Queue Length 95th (ft)		115	386		125	342		141	171		48	90
Internal Link Dist (ft)			680			321			135			171
Turn Bay Length (ft)		130			125							
Base Capacity (vph)		296	2911		202	3085		324	355		256	297
Starvation Cap Reductn		0	0		0	0		0	0		0	0
Spillback Cap Reductn		0	0		0	0		0	0		0	0
Storage Cap Reductn		0	0		0	0		0	0		0	0
Reduced v/c Ratio		0.28	0.52		0.46	0.45		0.43	0.40		0.14	0.21

### Intersection Summary

Area Type: Other

Cycle Length: 125

Actuated Cycle Length: 125

Offset: 22.5 (18%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 60

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.58

Intersection Signal Delay: 23.7

Intersection LOS: C

Intersection Capacity Utilization 61.2%

ICU Level of Service B

Analysis Period (min) 15

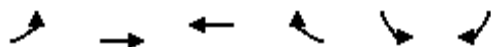
Splits and Phases: 1: Shared Access Road/International Plaza Access Road & Golf Road



# Intersection Capacity Utilization

## 2: Chase Bank Access Drive/McDonald's Access Drive & Shared Access Road

06/07/2019



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↰	↰		↰	
Volume (vph)	129	0	0	131	124	123
Pedestrians						
Ped Button						
Pedestrian Timing (s)						
Free Right				No		No
Ideal Flow	1900	1900	1900	1900	1900	1900
Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Green (s)	4.0	4.0	4.0	4.0	4.0	4.0
Refr Cycle Length (s)	120	120	120	120	120	120
Volume Combined (vph)	0	129	131	0	247	0
Lane Utilization Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Factor (vph)	0.95	0.95	0.85	0.85	0.90	0.85
Saturated Flow (vph)	0	1805	1615	0	1714	0
Ped Intf Time (s)	0.0	0.0	0.0	0.0	0.0	0.0
Pedestrian Frequency (%)		0.00	0.00		0.00	
Protected Option Allowed		No	No		No	
Reference Time (s)				0.0		0.0
Adj Reference Time (s)				0.0		0.0
Permitted Option						
Adj Saturation A (vph)	0	120	1615		114	
Reference Time A (s)	0.0	128.6	9.7		259.4	
Adj Saturation B (vph)	NA	NA	1615		NA	
Reference Time B (s)	NA	NA	9.7		NA	
Reference Time (s)		128.6	9.7			
Adj Reference Time (s)		132.6	13.7			
Split Option						
Ref Time Combined (s)	0.0	8.6	9.7		17.3	
Ref Time Seperate (s)	8.6	0.0	0.0		8.7	
Reference Time (s)	8.6	8.6	9.7		17.3	
Adj Reference Time (s)	12.6	12.6	13.7		21.3	
Summary	EB WB		SB		Combined	
Protected Option (s)	NA		NA			
Permitted Option (s)	132.6		Err			
Split Option (s)	26.3		21.3			
Minimum (s)	26.3		21.3		47.6	
Right Turns						
Adj Reference Time (s)						
Cross Thru Ref Time (s)						
Oncoming Left Ref Time (s)						
Combined (s)						
Intersection Summary						
Intersection Capacity Utilization		39.7%		ICU Level of Service		A
Reference Times and Phasing Options do not represent an optimized timing plan.						