

STREET:

North/South KOHLER ST

East/West 8TH ST

MONDAY Date: Day: June 7, 2010 Weather: SUNNY

7-10AM 11-2PM Hours:

School Day:	YES	District:	CENTRAL	I/S CODE	8813	

	N/B	S/B	E/B	W/B
<b>DUAL-</b>				
WHEELED	44	38	96	156
BIKES	18	7	5	2
BUSES	1	0	0	6

	N/B TIME	S/B TIME	E/B TIME	W/B TIME
AM PK 15 MIN	26 9.15	17 9.15	46 8.45	81 8.30
PM PK 15 MIN	48 11.00	18 11.30	62 11.00	83 11.00
AM PK HOUR	74 8.30	45 8.45	162 8.30	305 8.30
PM PK HOUR	89 11.00	57 11.00	206 11.00	266 11.00

Hours	Lt	Th	Rt	Total
7-8	13	15	24	52
8-9	14	8	35	57
9-10	15	4	38	57
11-12	20	18	51	89
12-1	14	7	19	40
1-2	8	5	30	43
TOTAL	84	57	197	338

40
43
338

Hours	Lt	Th	Rt	Total
7-8	18	5	15	38
8-9	15	6	7	28
9-10	24	6	14	44
11-12	28	15	14	57
12-1	8	1	5	14
1-2	6	4	8	18
TOTAL	99	37	63	199

	N-S
	90
	85
	101
	146
	54
	61
_	
	537

Ped	Sch	
24	0	
20	1	
33	0	
20	0	
7	0	
10	0	
114	1	

XING W/L

Ped	Sch
23	0
30	0
18	0
13	0
12	0
10	0

106 0

XING E/L

Ped Sch

EASTBOUND	Approach
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Hours	Lt	Th	Rt	Total
7-8	10	115	21	146
8-9	9	125	13	147
9-10	3	124	16	143
11-12	11	178	17	206
12-1	6	123	12	141
1-2	5	132	12	149
TOTAL	44	797	91	932

Hours	

**WESTBOUND Approach** 

7-8
8-9
9-10
11-12
12-1
1-2

TOTAL

Lt	Th	Rt	Total
36	209	25	270
30	238	29	297
25	230	24	279
35	201	30	266
11	159	12	182
9	151	10	170
146	1188	130	1464

**TOTAL** 

E-W	Ped	Sch
416	19	0
444	23	0
422	10	0
472	19	0
323	13	0
319	22	0
2396	106	0

8	0
27	0
14	0
13	0
4	0
2	0

68

(Rev Oct 06)

City of Los Angeles Department of Transportation (R 3-89)

### FETSIM COUNT SHEET

North/South St: KOHLER ST

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East/West St: 8TH ST

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Date: June 7, 2010

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# NOTE: THESE COUNTS WERE CALCULATED IN ACCORDANCE WITH THE COUNT DEFINITION OUTLINED

Peak hour volumes were calculated by determining the 1/2 hour during which the total volume on all approaches was a maximum, i.e., from 7.00-7.30 or from 4.15-4.45. Then these volumes were multiplied by 2 to get the hourly volumes. These numbers are not the same as the ones in the Traffic Count Summary forms.

A.M. Fo	rmat	P.M. I	LINK	Format
18	28	10	2	4
18	58	4	2	14
4	18	2	128	8
32	36	6	128	4

## TRAFFIC COUNT SUMMARY Format

# $SB\ APPROACH$

	Lt	Rt	L	t Th	Rt	
AM	18	58	28	2	18	9
PM	4	14	4	2	10	13
				WB AP	PROACH	
	Lt	Rt	L	t Th	Rt	
AM	4	18	36	128	32	
PM	2	8	4	128	6	

!

						0%%	%%%%%%	0%%%%	%%%%% %	%%%%%	%%%%% %%	6%%% %	0%%%%
CALCULA	TION	wo	RKSF	ACE	į								
NORTHBO	OUND	AM											
Period	Tota	l Veh	nicles				Cross	Hour	D.W		Pedestrns		Period
Endng	L		T		R		Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng
7.15						0	10						7.00
7.15 7.30		7 2		3 5		9 8	19 15	52 37	2 4	0 0	7 10	0	7.00
7.30		3		6		4	13	43	2	0	5	0	7.15 7.30
8.00		1		1		3	5	38	1	0	2	0	7.45
8.15		1		1		2	4	57	2	0	3	0	8.00
8.30		5		3		13	21	69	2	0	3 7	1	8.15
8.45		1		1		6	8	74	0	0	2	0	8.30
9.00		7		3		14	24	73	4	0	8	0	8.45
9.00		3		1		12	24 16	57	3	0	7	0	9.00
9.15		5 6		3		17		37	3 7	0	14	0	9.00
9.30 9.45		3		0		4	26 7		2	1	14 6	0	9.15
10.00		3		0		5	8		1	0	6	0	9.30
10.00													
NORTHBO	DUND	PM											
Period	Tota	l Veb	nicles				Cross	Hour	D.W		Pedestrns		Period
Endng	L	V CI	T		R		Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng
	L		1						V CII.				
11.15		14		10		24	48	89	3	0	1	0	11.00
11.13		4		6		13	23	63	1	0	12	0	11.15
11.45		1		1		11	13	47	2	0	4	0	11.30
12.00		1		1		3	5	41	0	0	3	0	11.45
12.15		7		4		11	22	40	2	0	1	0	12.00
12.30		3		1		3	7	26	1	0	2	0	12.15
12.45		3		2		2	7	44	0	0	3	0	12.30
13.00		1		0		3	4	43	0	0	1	0	12.45
13.15		1		0		7	8	43	0	0	2	0	13.00
13.30		5		4		16	25		4	0	4	0	13.15
13.45		1		0		5			1	0	2	0	13.30
							6						
14.00		1		1		2	4		0	0	2	0	13.45
EASTBOU	ND A	M											
Dariad	T	177-1	sials -				C===	II	D W		Dodoots:		Dor! - 1
Period Endna		ver	nicles T		p		Cross		D.W Voh		Pedestrns	Sah	Period
Endng	L		1		R 		Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng
7.15		2		28		8	38	146	8	0	7	0	7.00
7.30		6		28		6		135	7	0	5	0	7.15
7.45		1		36		5	42	134	4	0	6	0	7.30
		1		23		2	26	127	2	0	1	0	7.45
8 00				_3				147	3	0	2	0	8.00
8.00 8.15		Λ		25		٠,			.)	U		U	0.00
8.15		0		25		2	27						
8.15 8.30		3		33		3	39	158	2	0	11	0	8.15
8.15 8.30 8.45		3 2		33 30		3		158 162		0	11 8		8.15 8.30
8.15 8.30		3		33		3	39	158	2	0	11	0	8.15 8.30
8.15 8.30 8.45		3 2		33 30		3	39 35	158 162	2 3	0	11 8	0 0	8.15
8.15 8.30 8.45 9.00		3 2 4		33 30 37		3 3 5	39 35 46	158 162 159	2 3 6	0 0 0	11 8 2	0 0 0	8.15 8.30 8.45
8.15 8.30 8.45 9.00 9.15		3 2 4 2		33 30 37 32		3 3 5 4	39 35 46 38	158 162 159	2 3 6 4	0 0 0 0	11 8 2 3	0 0 0	8.15 8.30 8.45 9.00

!

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!

%

%	EASTBOU	ND PM										!
%												!
%	Period	Total Vehic	cles		Cross	Hour I	D.W	I	Pedestrns		Period	!
%	Endng	L	T	R T	ot.	Tot.	Veh.	Bus	Ped	Sch	Begng	!
%												!
%	11.15	4	52	6	62	206	8	0	9	0	11.00	!
%	11.30	5	47	6	58	189	7	0	5	0	11.15	!
%	11.45	2	45	3	50	165	5	0	4	0	11.30	!
%	12.00	0	34	2	36	149	2	0	1	0	11.45	!
%	12.15	4	37	4	45	141	6	0	7	0	12.00	!
%	12.30	1	30	3	34	129	4	0	2	0	12.15	!
%	12.45	1	29	4	34	142	2	0	1	0	12.30	!
%	13.00	0	27	1	28	147	2	0	3	0	12.45	!
%	13.15	1	29	3	33	149	0	0	4	0	13.00	!
%	13.30	3	39	5	47		4	0	9	0	13.15	!
%	13.45	1	36	2	39		2	0	6	0	13.30	!
%	14.00	0	28	2	30		1	0	3	0	13.45	!
%												

	** *************	******	*****	******	*******	*****	********	*******	******	*****
*	FETSIM WORKSPACE	S	EE COMME	NTS BEL	OW					
*										
*					NB				SB	
*	A.M.	VOLUME	BEG							
*		TOTAL	TIME	L	T	R	TOT	L	T	R
		275	7.00	9	8	17	34	11	4	10
•		271	7.15	5	11	12	28	7	2	8
¢		231	7.30	4	7	7	18	7	1	5
		219	7.45	2	2	5	9	8	3	5
:		247	8.00	6	4	15	25	6	3	5
:		265	8.15	6	4	19	29	9	3	3
*		282	8.30	8	4	20	32	9	3	2
*		292	8.45	10	4	26	40	10	3	4
*		300	9.00	9	4	29	42	14	4	9
*		279	9.15	9	3	21	33	14	3	11
*		223	9.30	6	0	9	15	10	2	5
									_	_
k										
	MAX 1/2 HOUR	VOLUME PE.	300							
k	TIME MAX PEA		9.00							
	TIME WAX LE	IKSTAKIS	7.00		NB				SB	
*	P.M.	VOLUME	BEG		ND				SD	
k	1 .1V1.	TOTAL	TIME	L	Т	R	TOT	L	Т	D
k										R
		362	11.00	18	16	37	71	14	4	5
		303	11.15	5	7	24	36	14	8	6
k		256	11.30	2	2	14	18	14	11	9
		226	11.45	8	5	14	27	8	5	6
k		218	12.00	10	5	14	29	5	1	2
*		192	12.15	6	3	5	14	4	1	4
*		159	12.30	4	2	5	11	3	0	3
*		154	12.45	2	0	10	12	4	1	0
*		224 218	13.00 13.15	6 6	4 4	23 21	33 31	4 2	3 2	3 6
*		156	13.13	2	1	7	10	2	1	5
*		150	10.00	-	•	•		-	•	J
*	MAX 1/2 HOUR	VOLUME PE	362							
*	TIME MAY DEA	Y STARTS	13 30							

TIME MAX PEAK STARTS 13.30

COMMEN

A. DESIGN RULES FOR CALCULATING HOUR COUNT:

 $<sup>1. \</sup> FIND \ MAX\ 1/2\ HOUR\ COUNT\ BY\ ADDING\ 2\ SUCCESSIVE\ 15\ MINUTE\ VOLUME\ COUNTS\ WITH\ @SUM\ FNC$ THEN FIND MAX USING @MAX FUNCTION. @VLOOKUP LOOKS FOR THE HIGHEST VOLUME.

											70
											%
											%
											%
											%
SOUTHBO	OUND AM	1									%
											%
Period	Total Ve	hicles			Cross	Hour	D.W		Pedestrns		Period %
Endng	L	T		R	Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng %
		-									%
7.15	5		2	4	11	38	3	0	6	0	7.00 %
7.30	6		2	6	14	33	4	0	7	0	7.15 %
7.45	1		0	2	3	27	0	0	5	0	7.30 %
8.00 8.15	6 2		1 2	3 2	10 6	31 28	2	0	5 14	0	7.45 % 8.00 %
8.30	4		1	3	8	32	1	0	3	0	8.15 %
8.45	5		2	0	7	41	1	0	6	0	8.30 %
9.00	4		1	2	7	45	4	0	7	0	8.45 %
9.15	6		2	2	10	44	3	0	4	0	9.00 %
9.30	8		2	7	17		3	0	3	0	9.15 %
9.45	6		1	4	11		1	0	6	0	9.30 %
10.00	4		1	1	6		1	0	5	0	9.45 %
											%
SOUTHBO	OUND PM										%
Dominal	Total Ma	ماما			Cusas	Поли	DW		Dadaatuus		% Davis d %
Period Endng	Total Ve	T		R	Cross Tot.	Tot.	D.W Veh.	Bus	Pedestrns Ped	Sch	Period % Begng %
	L	1 -			101.		v cii.				%
11.15	8		2	3	13	57	3	0	4	0	11.00 %
11.30	6		2	2	10	47	0	0	6	0	11.15 %
11.45	8		6	4	18	42	3	0	3	0	11.30 %
12.00	6		5	5	16	28	5	0	0	0	11.45 %
12.15	2		0	1	3	14	0	0	3	0	12.00 %
12.30	3		1	1	5	14	3	0	3	0	12.15 %
12.45	1		0	3	4	16	0	0	3	0	12.30 %
13.00	2		0	0	2	15	0	0	3	0	12.45 %
13.15	2		1	0	3	18	0	0	2	0	13.00 %
13.30	2		2	3	7		0	0	2	0	13.15 %
13.45	0		0	3	3		0	0	4	0	13.30 %
14.00	2		1	2	5		0	0	2	0	13.45 %
											%
											%
WESTBOU	JND AM										%
											%
Period	Total Ve				Cross		D.W		Pedestrns		Period %
Endng	L	T		R	Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng %
7.15	10	-	4.4			270					, -
7.15 7.30	10 12		44 50	7 5	61 77	270 285	7 10	0 6	1 3	0	7.00 % 7.15 %
7.30	9		52	6	67	274	10	0	2	0	7.13 %
8.00	5		53	7	65	288	7	0	2	0	7.45 %
8.15	12		56	8	76	297	13	0	7	0	8.00 %
8.30	4		59	3	66	298	7	0	7	0	8.15 %
8.45	9		54	8	81	305	12	0	9	0	8.30 %
9.00	5		59	10	74	294	12	0	4	0	8.45 %
9.15	7		51	9	77	279	10	0	5	0	9.00 %
9.30	11		55	7	73		10	0	3	0	9.15 %
9.45	6		50	4	70		6	0	4	0	9.30 %
10.00	1	2	54	4	59		4	0	2	0	9.45 %

WESTBOUND PM	%

										/0
Period	Total Vehic	eles		Cross	Hour	D.W	I	Pedestrns		Period %
Endng	L	T	R	Tot.	Tot.	Veh.	Bus	Ped	Sch	Begng %
										%
11.15	9	60	14	83	266	9	0	6	0	11.00 %
11.30	9	50	6	65	230	5	0	4	0	11.15 %
11.45	12	47	7	66	220	11	0	3	0	11.30 %
12.00	5	44	3	52	200	0	0	0	0	11.45 %
12.15	2	39	6	47	182	2	0	1	0	12.00 %
12.30	7	46	2	55	177	4	0	2	0	12.15 %
12.45	1	42	3	46	181	1	0	0	0	12.30 %
13.00	1	32	1	34	167	0	0	1	0	12.45 %
13.15	2	39	1	42	170	0	0	1	0	13.00 %
13.30	5	48	6	59		7	0	0	0	13.15 %
13.45	1	30	1	32		6	0	1	0	13.30 %
14.00	1	34	2	37		3	0	0	0	13.45 %
										0/-

		EB				WB		
TOT	L	T	R	ТОТ	L	T	R	TOT
25	8	56	14	78	22	104	12	138
17	7	64	11	82	21	112	11	144
13	2	59	7	68	14	105	13	132
16	1	48	4	53	17	109	15	141
14	3	58	5	66	16	115	11	142
15	5	63	6	74	13	123	11	147
14	6	67	8	81	14	123	18	155
17	6	69	9	84	12	120	19	151
27	2	70	9	81	18	116	16	150
28	1	66	8	75	17	115	11	143
17	1	54	7	62	7	114	8	129
		EB				WB		
TOT	L	T	R	TOT	L	T	R	TOT
23	9	99	12	120	18	110	20	148
28	7	92	9	108	21	97	13	131
34	2	79	5	86	17	91	10	118
19	4	71	6	81	7	83	9	99
8	5	67	7	79	9	85	8	102
9	2	59	7	68	8	88	5	101
6	1	56	5	62	2	74	4	80
5	1	56	4	61	3	71	2	76
10	4	68	8	80	7	87	7	101
10 8	4 1	75 64	7 4	86 69	6 2	78 64	7	91 69
٥	1	04	4	09	2	04	3	09

<sup>2.</sup> TAKE MAX 1/2 HOUR VOLUMES AND MULTIPLY BY TWO TO GET HOURLY VOLUMES CONSISTENT WITH DEFINITION OF VOLUME IN FETSIM '89 ORIENTATION MANUAL.

TION

HIT ALT-S TO PRINT THE SUMMARY SHEET AND THEN ALT-W TO PRINT OUR SHEETS.

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B. ALT-W WILL EXECUTE THE PRINTING MACRO FOR THIS FETSIM COUNT CAN THEN SIMPLY

CALC DATE: June 7, 2010

CHK DATE:

DISTRICT: CENTRAL

Major St:8TH STCritical Approach Speed:mphMinor St:KOHLER STCritical Approach Speed:mph

Critical speed of major street traffic >=40 mph

OR

In built up area of isolated community of =< 10,000 population ........... RURAL(R)

OTHERWISE ...... URBAN (U)

WARRANT 1- Minimum Vehicular Volume 100% SATISFIED YES NO 80% SATISFIED YES NO

# MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)

APPROACH U		R	U	R	Hour					
LANES		1	2 or	more	7-8	8-9	9-10	11-12	12-1	1-2
Both Approaches	500	350	600	420						
Major Street	(400)	(280)	(480)	(336)	416	444	422	472	323	319
Highest Approch	150	105	200	140						
Minor street	(120)	(84)	(160)	(112)	52	57	57	89	40	43

NOTE: Heavier left turn movement from Major Street included when LT-phasing is proposed

WARRANT2- Interruption of ContinuousTraffic 100% SATISFIED YES NO 80% SATISFIED YES NO

### MINIMUM REOUIREMENTS (80% SHOWN IN BRACKETS)

APPROACH	PPROACH U R		U	R	Hour					
LANES		1	2 or	more	7-8	8-9	9-10	11-12	12-1	1-2
Both Approaches	750	525	900	630						
Major Street	(600)	(420)	(720)	(504)	416	444	422	472	323	319
HighestApprch	75	53	100	70						
Minor Street	(60)	(42)	(80)	(56)	52	57	57	89	40	43

\*NOTE: Heavier left turn movement from Major Street included when LT-phasing is proposed

WARRANT 3- Minimum Pedetrian Volume 100% SATISFIED YES NO 80% SATISFIED YES NO

# MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)

		Hour								
		U	R	7-8	8-9	9-10	11-12	12-1	1-2	
Both Approaches no		600	420							
Major Street	median	(480)	(336)	416	444	422	472	323	319	
	Raised	1000	700							
Volume	4'median	(800)	(560)							
Peds on highest volume		150	105							
x-walk xing m	ajor st	(120)	(84)	19	27	14	19	13	22	

# IF MIDBLOCK SIGNAL PROPOSED

MIN. REOUIREMENT DISTANCE TO NEAREST ESTABLISHED CROSSWALK

150 FEET

N/E:

FT

S/W:

FT

YES

NO

WARRANT 4 - Schools Crossings

Not Applicable

See School Crossings Warrant Sheet

WARRANT 5 - Progressive Movement SATISFIED YES NO

MINIMUM REQUIREMENTS DISTANCE TO NEAREST SIGNAL FULFILLED

> 1000 ft  $\,$  N S E W YES NO ON ONE WAY ISOLATED ST. OR ST. WITH ONE WAY TRAFFIC SIGNIFICANCE AND ADJACENT

SIGNALS ARE SO FAR APART THAT NECESSARY PLATOONING IL SPEED CONTROL WOULD BE LOST.

ON 2-WAY ST. WHERE ADJACENT SIGNALS DO NOT PROVIDE NECESSARY PLATOONING &

SPEED CONTROL. PROPOSED SIGNALS COULD CONSTITUTE A PROGRESSIVE SIGNAL SYSTEM YES NO

WARRANT 6 - Accident Experience SATISFIED YES NO

REQUIREMENT WARRANT (X) FULFILLED

ONE WARRANT WARRANT 1 - MINIMUM VEHICULAR VOLUME

SATISFIED OR

80% WARRANT 2 - INTERRUPTION OF CONTINUOUS TRAFFIC

OR

WARRANT 3 - MINIMUM PEDESTRIAN VOLUME YES NO

SIGNAL WILL NOT SERIOUSLY DISRUPT PROGRESSIVE TRAFFIC FLOW

ADEQUATE TRIAL OF LESS RESTRICTIVE REMEDIES HAS FAILED TO REDUCE ACC. FREQ.

ACC WITHIN A 12 MON. PERIOD SUSCEPTIBLE OF CORR. IL INVOLVING INJURY OR > \$200 DAMAGE

MINIMUM REQUIREMENT NUMBER OF ACCIDENTS

3 OR MORE YES NO

\* NOTE: Left turn accidents can be included when LT-phasing is proposed

WARRANT 7 - Systems Warrant SATISFIED YES NO

Minimum Volume Requirement ENTERING VOLUMES - ALL APPROACHES (X) FULFILLED

DURING TYPICAL WEEKDAY PEAK HOUR

618 veh/hr

800 VEH/HR DURING EACH OF ANY 5 HRS OF A SAT AND/OR SUNDAY

veh/hr

YES NO

CHARACTERISTICS OF MAJOR ROUTES MAJOR S'INOR ST

HWY SYSTEM SERVING AS PRINCIPLE NETWORK FOR THROUGH TRAFFIC

CONNECTS AREAS OF PRINCIPLE TRAFFIC GENERATION

RURAL OR SUBURBAN HWY OUTSIDE OF, ENTERING, OR TRAVERSING A CITY

HAS SURFACE STREET FWY OR EXPWAY RAMP TERMINALS

APPEARS AS MAJOR ROUTE ON AN OFFICIAL PLAN

ANY MAJOR ROUTE CHARACTERISTICS MET, BOTH STREETS YES NO

The satisfaction of a warrant is not necessarily justification for a signal. Delay, congestion, confusion or other evidence of the need for right of way assignment must be shown.

WARRANT 8 - Combination	n of Warrants			SATISFIED	YES	NO
REQUIREMENT TWO WARRANTS SATISFIED 80%	WARRA  1 - MINIMUM VEHICULA  2 - INTERRUPTION OF C  3 - MINIMUM PEDESTRI	FFIC	(X)	) FULFILLED YES NO		
WARRANT 9 - Four Hour V	<sup>7</sup> olume			SATISFIED	YES	NO
Approach Lanes		One	2 or more	H 11-12 8-9	Iour 9-10 7-8	
Both Approaches, Major Str	eet			472 4	44 422 416	
Highest Approaches, Minor *Refer to Fig. 9-2A (URBAN		CURAL AREAS) to o	determine if this wa		57 57 52 I.	
WARRANT 10 - Peak Hour	Delay			SATISFIED	YES	NO
controlled by a STOP sign e	ed for traffic on one minor str quals or exceeds four vehicle vehicle-hours for a two-lane a	e-hours for a			YES	NO
	minor street approach equals of or 150 vph for two moving	_			YES	NO
800 vph for intersections with	serviced during the hour equ					
intersections with three appr	oacnes				YES	NO
WARRANT 11 - Peak Hour	Volume			SATISFIED*	YES	NO
Approach Lanes		One	2 or more	Hour 11-12		
Both Approaches , Major St	reet			472		
Highest Approaches, Minor *Refer to Fig. 9-2C (URBAN		URAL AREAS) to	determine if this wa	89 arrant is satisfied	l.	
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CALCULATIONS								
MAX OF WARRANT PAIRS	561		CH	CI	CJ	CK	CL	CM
NEXT MAX NEXT MAX	501 479	TOTAL EACH CELL		468	501	479	561 363	362
NEXT MAX	468		MAX		NEXT		NEXT	
				561		468	468	
				561		0	0	
				561		479	0	
				501		0	0	
				561		363	363	
				561		362	362	