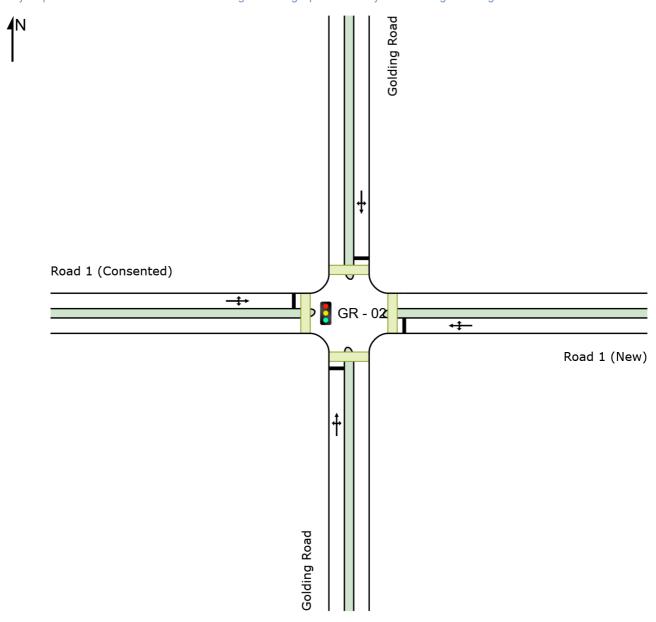
SITE LAYOUT

Site: GR - 02 [Golding Road / Road 1 - Signalised - AM Peak - Full Ped (Site Folder: Golding Road / Road 1 - Signalised)]

Signalied Intersection of Golding Road / Road 1 AM Peak: Existing + Consented + Development Site Category: (None) Signals - EQUISAT (Fixed-Time/SCATS) Isolated

Layout pictures are schematic functional drawings reflecting input data. They are not design drawings.



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MOVEMENT SUMMARY

Site: GR - 02 [Golding Road / Road 1 - Signalised - AM Peak - Full Ped (Site Folder: Golding Road / Road 1 - Signalised)]

Signalied Intersection of Golding Road / Road 1 AM Peak: Existing + Consented + Development

Site Category: (None)

Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Vehi	Vehicle Movement Performance													
Mov ID	Turn	INP VOLU [Total veh/h		DEM/ FLO [Total veh/h		Deg. Satn v/c		Level of Service	95% BA QUE [Veh. veh		Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South	South: Golding Road													
1	L2	5	1.0	5	1.0	0.538	29.7	LOS C	5.3	37.5	0.95	0.78	0.95	38.0
2	T1	172	1.0	181	1.0	* 0.538	25.1	LOS C	5.3	37.5	0.95	0.78	0.95	37.1
3	R2	4	1.0	4	1.0	0.538	29.7	LOS C	5.3	37.5	0.95	0.78	0.95	37.8
Appro	oach	181	1.0	191	1.0	0.538	25.3	LOS C	5.3	37.5	0.95	0.78	0.95	37.1
East:	Road	1 (New)												
4	L2	17	1.0	18	1.0	0.402	34.1	LOS C	2.2	15.7	0.98	0.75	0.98	35.5
5	T1	12	1.0	13	1.0	* 0.402	29.5	LOS C	2.2	15.7	0.98	0.75	0.98	34.3
6	R2	42	1.0	44	1.0	0.402	34.1	LOS C	2.2	15.7	0.98	0.75	0.98	32.2
Appro	oach	71	1.0	75	1.0	0.402	33.3	LOS C	2.2	15.7	0.98	0.75	0.98	33.4
North	ı: Gold	ling Road												
7	L2	11	1.0	12	1.0	0.493	31.3	LOS C	4.0	28.6	0.96	0.77	0.96	34.4
8	T1	109	2.0	115	2.0	* 0.493	26.7	LOS C	4.0	28.6	0.96	0.77	0.96	36.3
9	R2	14	1.0	15	1.0	0.493	31.3	LOS C	4.0	28.6	0.96	0.77	0.96	34.2
Appro	oach	134	1.8	141	1.8	0.493	27.6	LOS C	4.0	28.6	0.96	0.77	0.96	35.9
West	: Road	d 1 (Conse	ented)											
10	L2	82	1.0	86	1.0	0.496	30.4	LOS C	4.3	30.7	0.95	0.78	0.95	34.0
11	T1	46	1.0	48	1.0	* 0.496	25.8	LOS C	4.3	30.7	0.95	0.78	0.95	35.8
12	R2	19	1.0	20	1.0	0.496	30.4	LOS C	4.3	30.7	0.95	0.78	0.95	36.6
Appro	oach	147	1.0	155	1.0	0.496	29.0	LOS C	4.3	30.7	0.95	0.78	0.95	34.9
All Vehic	cles	533	1.2	561	1.2	0.538	27.9	LOS C	5.3	37.5	0.96	0.77	0.96	35.7

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).

Vehicle movement LOS values are based on average delay per movement.

Intersection and Approach LOS values are based on average delay for all vehicle movements.

Delay Model: SIDRA Standard (Geometric Delay is included).

Queue Model: SIDRA Standard.

Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian l	Pedestrian Movement Performance													
Mov ID Crossing	o voi. Tien beidy contied dozoz dae				fective Stop Rate	Travel Time	Travel Dist.	Aver. Speed						
	ped/h	ped/h	sec		ped	m -			sec	m	m/sec			
South: Goldin	g Road													
P1 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13			
East: Road 1 (New)														
P2 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13			

North: Golding Road													
P3 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13		
West: Road 1	West: Road 1 (Consented)												
P4 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13		
All Pedestrians	200	211	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13		

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay) Pedestrian movement LOS values are based on average delay per pedestrian movement. Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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PHASING SUMMARY

Site: GR - 02 [Golding Road / Road 1 - Signalised - AM Peak - Full Ped (Site Folder: Golding Road / Road 1 - Signalised)]

Signalied Intersection of Golding Road / Road 1 AM Peak: Existing + Consented + Development

Site Category: (None)

Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Timings based on settings in the Site Phasing & Timing dialog

Phase Times determined by the program

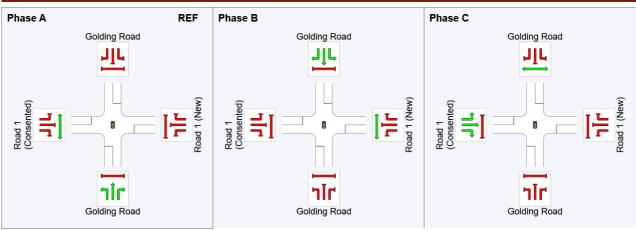
Phase Sequence: Split Phasing Reference Phase: Phase A Input Phase Sequence: A, B, C, D Output Phase Sequence: A, B, C, D

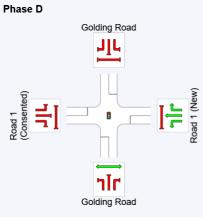
Phase Timing Summary

Phase	Α	В	С	D
Phase Change Time (sec)	0	17	32	48
Green Time (sec)	11	9	10	6
Phase Time (sec)	17	15	16	12
Phase Split	28%	25%	27%	20%

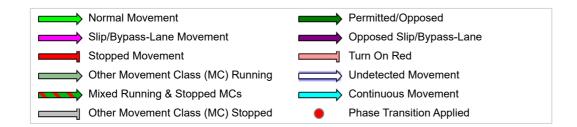
See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence





REF: Reference Phase VAR: Variable Phase



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MOVEMENT SUMMARY

Site: GR - 02 [Golding Road / Road 1 - Signalised - PM Peak - Full Ped (Site Folder: Golding Road / Road 1 - Signalised)]

Signalied Intersection of Golding Road / Road 1 PM Peak: Existing + Consented + Development

Site Category: (None)

Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Vehi	Vehicle Movement Performance													
Mov ID	Turn	INP VOLU [Total veh/h		DEM/ FLO [Total veh/h		Deg. Satn v/c		Level of Service	95% BA QUE [Veh. veh		Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South	South: Golding Road													
1	L2	20	1.0	21	1.0	0.394	30.8	LOS C	3.2	22.2	0.95	0.75	0.95	37.2
2	T1	70	1.0	74	1.0	* 0.394	26.2	LOS C	3.2	22.2	0.95	0.75	0.95	36.2
3	R2	17	1.0	18	1.0	0.394	30.8	LOS C	3.2	22.2	0.95	0.75	0.95	36.9
Appro	oach	107	1.0	113	1.0	0.394	27.8	LOS C	3.2	22.2	0.95	0.75	0.95	36.5
East:	Road	1 (New)												
4	L2	4	1.0	4	1.0	0.384	33.9	LOS C	2.2	15.4	0.97	0.74	0.97	36.4
5	T1	57	1.0	60	1.0	* 0.384	29.3	LOS C	2.2	15.4	0.97	0.74	0.97	35.3
6	R2	9	1.0	9	1.0	0.384	33.9	LOS C	2.2	15.4	0.97	0.74	0.97	33.2
Appro	oach	70	1.0	74	1.0	0.384	30.2	LOS C	2.2	15.4	0.97	0.74	0.97	35.2
North	n: Gold	ling Road												
7	L2	36	1.0	38	1.0	0.392	25.4	LOS C	4.7	32.9	0.88	0.75	0.88	36.2
8	T1	88	1.0	93	1.0	* 0.392	20.8	LOS C	4.7	32.9	0.88	0.75	88.0	38.0
9	R2	52	1.0	55	1.0	0.392	25.4	LOS C	4.7	32.9	0.88	0.75	88.0	35.9
Appro	oach	176	1.0	185	1.0	0.392	23.1	LOS C	4.7	32.9	0.88	0.75	0.88	37.0
West	: Road	d 1 (Cons	ented)											
10	L2	14	1.0	15	1.0	0.185	33.1	LOS C	1.0	7.0	0.95	0.70	0.95	33.2
11	T1	14	1.0	15	1.0	* 0.185	28.5	LOS C	1.0	7.0	0.95	0.70	0.95	35.0
12	R2	5	1.0	5	1.0	0.185	33.1	LOS C	1.0	7.0	0.95	0.70	0.95	35.9
Appro	oach	33	1.0	35	1.0	0.185	31.1	LOS C	1.0	7.0	0.95	0.70	0.95	34.4
All Vehic	cles	386	1.0	406	1.0	0.394	26.4	LOS C	4.7	32.9	0.92	0.74	0.92	36.3

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).

Vehicle movement LOS values are based on average delay per movement.

Intersection and Approach LOS values are based on average delay for all vehicle movements.

Delay Model: SIDRA Standard (Geometric Delay is included).

Queue Model: SIDRA Standard.

Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian l	Pedestrian Movement Performance													
Mov ID Crossing	Input Vol.	Dem. Flow	Aver. Delay	Level of Service			Prop. Ef Que	fective Stop Rate	Travel Time	Travel Dist. S				
	ped/h	ped/h	sec		ped	m		. 15.15	sec	m	m/sec			
South: Goldin	g Road													
P1 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13			
East: Road 1	(New)													
P2 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13			

North: Golding Road												
P3 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13	
West: Road 1	West: Road 1 (Consented)											
P4 Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13	
All Pedestrians	200	211	24.4	LOS C	0.1	0.1	0.90	0.90	186.4	210.6	1.13	

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay) Pedestrian movement LOS values are based on average delay per pedestrian movement. Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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PHASING SUMMARY

Site: GR - 02 [Golding Road / Road 1 - Signalised - PM Peak - Full Ped (Site Folder: Golding Road / Road 1 - Signalised)]

Signalied Intersection of Golding Road / Road 1 PM Peak: Existing + Consented + Development

Site Category: (None)

Timings based on settings in the Site Phasing & Timing dialog

Phase Times determined by the program

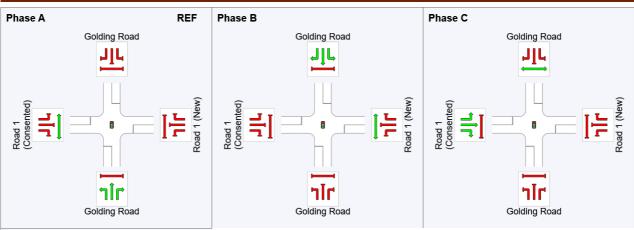
Phase Sequence: Split Phasing Reference Phase: Phase A Input Phase Sequence: A, B, C, D Output Phase Sequence: A, B, C, D

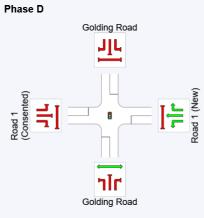
Phase Timing Summary

Phase	Α	В	С	D
Phase Change Time (sec)	0	15	36	48
Green Time (sec)	9	15	6	6
Phase Time (sec)	15	21	12	12
Phase Split	25%	35%	20%	20%

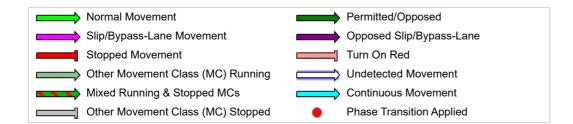
See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence





REF: Reference Phase VAR: Variable Phase



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