

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: MD 322 @ MD 333
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/9/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 6- Future Proposed Conditions Intersection Analysis
 E/W St: MD 333 (Oxford/Pchblossom Rd) N/S St: MD 322 (Easton Parkway)

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	1	1	1	1	1	1	1	1	1
LGConfig	L	TR		L	T	R	L	T	R	L	T	R
Volume	340	310	40	20	190	140	10	390	60	170	220	260
Lane Width	12.0	12.0		12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			40			140			60			260

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	P		A
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		10.0	25.0			10.0	25.0	
Yellow		3.0	4.0			3.0	4.0	
All Red		1.0	2.0			1.0	2.0	

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	508	1761	0.71	0.46	25.2	C		
TR	844	1853	0.39	0.46	16.5	B	21.1	C
Westbound								
L	295	1041	0.07	0.28	23.7	C		
T	556	1853	0.36	0.30	25.2	C	25.0	C
R	473	1575	0.00	0.30	22.0	C		
Northbound								
L	468	1761	0.02	0.44	14.4	B		
T	618	1853	0.67	0.33	28.6	C	28.3	C
R	525	1575	0.00	0.33	20.0	B		
Southbound								
L	333	1761	0.54	0.44	19.5	B		
T	618	1853	0.38	0.33	23.3	C	21.6	C
R	525	1575	0.00	0.33	20.0	B		
Intersection Delay = 23.4 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: MD 322 @ MD 333
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/9/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 6- Future Proposed Conditions Intersection Analysis
 E/W St: MD 333 (Oxford/Pchblossom Rd) N/S St: MD 322 (Easton Parkway)

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	1	1	1	1	1	1	1	1	1
LGConfig	L	TR		L	T	R	L	T	R	L	T	R
Volume	290	280	30	20	230	160	20	290	30	130	400	260
Lane Width	12.0	12.0		12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			30			160			30			260

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		10.0	25.0			10.0	25.0	
Yellow		3.0	4.0			3.0	4.0	
All Red		1.0	2.0			1.0	2.0	

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	469	1761	0.67	0.46	20.8	C		
TR	844	1853	0.36	0.46	16.2	B	18.5	B
Westbound								
L	302	1066	0.07	0.28	23.7	C		
T	556	1853	0.45	0.30	26.1	C	25.9	C
R	473	1575	0.00	0.30	22.0	C		
Northbound								
L	319	1761	0.07	0.44	16.2	B		
T	618	1853	0.51	0.33	24.8	C	24.2	C
R	525	1575	0.00	0.33	20.0	B		
Southbound								
L	406	1761	0.35	0.44	16.7	B		
T	618	1853	0.70	0.33	29.8	C	26.6	C
R	525	1575	0.00	0.33	20.0	B		
Intersection Delay = 23.3 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: MD 33 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/09/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 8- Future Proposed Conditions Intersection Analysis
 E/W St: MD 33 (St Michaels Rd/Bay St) N/S St: MD 322 (Easton Parkway)

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	1	1	1	1	1	2	1	1	2	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	220	280	210	30	200	10	240	520	140	80	420	270
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			210			10			140			270

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A	A	
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left	A	A			SB Left	A	A	
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	10.0	20.0			10.0	30.0		
Yellow	3.5	4.0			3.5	4.5		
All Red	0.5	2.0			0.5	2.5		

Cycle Length: 91.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	395	3419	0.59	0.12	40.6	D		
T	428	1853	0.70	0.23	37.0	D	38.6	D
R	363	1575	0.00	0.23	26.9	C		
Westbound								
L	322	1761	0.10	0.38	19.1	B		
T	428	1853	0.50	0.23	31.3	C	29.7	C
R	363	1575	0.00	0.23	26.9	C		
Northbound								
L	460	1761	0.55	0.49	15.9	B		
T	1338	3529	0.41	0.38	21.0	C	19.4	B
R	597	1575	0.00	0.38	17.5	B		
Southbound								
L	413	1761	0.21	0.49	13.5	B		
T	1338	3529	0.33	0.38	20.2	C	19.1	B
R	597	1575	0.00	0.38	17.5	B		
Intersection Delay = 25.3 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: MD 33 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/09/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 8- Future Proposed Conditions Intersection Analysis
 E/W St: MD 33 (St Michaels Rd/Bay St) N/S St: MD 322 (Easton Parkway)

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	1	1	1	1	1	2	1	1	2	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	400	390	180	100	270	60	190	410	70	70	580	360
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			180			60			70			360

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A	A	
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
WB Left		A	A		SB Left	A	A	
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	25.0			10.0	25.0	
Yellow		3.5	4.0			3.5		
All Red		0.5	2.0			0.5	2.5	
Cycle Length: 96.0								secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	552	3419	0.76	0.16	44.4	D		
T	502	1853	0.81	0.27	42.3	D	43.3	D
R	427	1575	0.00	0.27	25.5	C		
Westbound								
L	371	1761	0.28	0.46	17.5	B		
T	502	1853	0.56	0.27	31.5	C	27.7	C
R	427	1575	0.00	0.27	25.5	C		
Northbound								
L	314	1761	0.63	0.41	24.2	C		
T	1084	3529	0.39	0.31	26.4	C	25.7	C
R	484	1575	0.00	0.31	23.0	C		
Southbound								
L	383	1761	0.19	0.41	18.1	B		
T	1084	3529	0.56	0.31	28.4	C	27.3	C
R	484	1575	0.00	0.31	23.0	C		
Intersection Delay = 32.2 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/14/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2004
 Project ID: Site 12- Existing Proposed Conditions Intersection Analysis
 E/W St: MD 322 N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	0	1	0	0	0	1	2	0	0	2	1
LGConfig	L		R				L	T			T	R
Volume	405		102				155	853			940	512
Lane Width	10.0		12.0				12.0	12.0			12.0	12.0
RTOR Vol			102									512

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru	A	A	
Right		A			Right			
Peds					Peds			
WB Left					SB Left			
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		25.0				20.0	60.0	
Yellow		4.0				4.0	5.0	
All Red		1.0				1.0	2.0	
Cycle Length: 122.0								secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	680	3191	0.65	0.21	46.2	D	46.2	D
R	336	1575	0.00	0.21	37.8	D		
Westbound								
Northbound								
L	318	1761	0.53	0.18	47.1	D		
T	2445	3428	0.38	0.71	7.0	A	13.2	B
Southbound								
T	1826	3428	0.57	0.53	19.5	B	19.5	B
R	839	1575	0.00	0.53	13.3	B		
Intersection Delay = 21.4 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/14/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2004
 Project ID: Site 12- Existing Proposed Conditions Intersection Analysis
 E/W St: MD 322 N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	0	1	0	0	0	1	2	0	0	2	1
LGConfig	L		R				L	T			T	R
Volume	520		126				144	1392			1281	442
Lane Width	10.0		12.0				12.0	12.0			12.0	12.0
RTOR Vol			126									442

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru	A	A	
Right		A			Right			
Peds					Peds			
WB Left					SB Left			
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		25.0				15.0	65.0	
Yellow		4.0				4.0	5.0	
All Red		1.0				1.0	2.0	
Cycle Length: 122.0								secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	680	3191	0.83	0.21	54.5	D	54.5	D
R	336	1575	0.00	0.21	37.8	D		
Westbound								
Northbound								
L	245	1761	0.64	0.14	55.2	E		
T	2445	3428	0.62	0.71	9.5	A	13.8	B
Southbound								
T	1967	3428	0.71	0.57	19.9	B	19.9	B
R	904	1575	0.00	0.57	11.1	B		
Intersection Delay = 22.4 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/14/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 12- Future Proposed Conditions Intersection Analysis
 E/W St: MD 322 N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	0	1	0	0	0	1	3	0	0	3	1
LGConfig	L		R				L	T			T	R
Volume	500		100				160	1020			1110	640
Lane Width	10.0		12.0				12.0	12.0			12.0	12.0
RTOR Vol			100									640

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru	A	A	
Right		A			Right			
Peds					Peds			
WB Left					SB Left			
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		25.0				15.0	35.0	
Yellow		4.0				4.0	5.0	
All Red		1.0				1.0	2.0	
Cycle Length: 92.0								secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	902	3191	0.61	0.28	29.8	C	29.8	C
R	445	1575	0.00	0.28	23.7	C		
Westbound								
Northbound								
L	325	1761	0.54	0.18	35.8	D		
T	3038	4904	0.37	0.62	8.7	A	12.4	B
Southbound								
T	2132	4904	0.57	0.43	19.9	B	19.9	B
R	685	1575	0.00	0.43	14.7	B		
Intersection Delay = 18.5 (sec/veh)					Intersection LOS = B			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 322
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/14/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 12- Future Proposed Conditions Intersection Analysis
 E/W St: MD 322 N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	0	1	0	0	0	1	3	0	0	3	1
LGConfig	L		R				L	T			T	R
Volume	650		130				150	1640			1520	550
Lane Width	10.0		12.0				12.0	12.0			12.0	12.0
RTOR Vol			130									550

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru	A	A	
Right		A			Right			
Peds					Peds			
WB Left					SB Left			
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		35.0				15.0	55.0	
Yellow		4.0				4.0	5.0	
All Red		1.0				1.0	2.0	
								Cycle Length: 122.0 secs

Intersection Performance Summary

Appr/Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	942	3191	0.75	0.30	42.3	D	42.3	D
R	465	1575	0.00	0.30	30.3	C		
Westbound								
Northbound								
L	245	1761	0.67	0.14	56.5	E		
T	3095	4904	0.58	0.63	13.3	B	16.9	B
Southbound								
T	2412	4904	0.68	0.49	24.6	C	24.6	C
R	775	1575	0.00	0.49	15.8	B		
Intersection Delay = 24.0 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 309/Airport
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/09/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 13 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 309/Airport Rd N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	2	1	0	1	3	1	1	3	1
LGConfig	L	TR		L	TR		L	T	R	L	T	R
Volume	30	20	40	330	70	50	80	1120	0	30	1330	50
Lane Width	10.0	12.0		12.0	12.0		12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			40			50			0			50

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru	A	A			Thru		A	
Right	A	A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	20.0	17.0			10.0	50.0		
Yellow	4.0	4.0			4.0	5.0		
All Red	1.0	2.0			1.0	2.0		

Cycle Length: 120.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	188	1222	0.18	0.15	44.6	D		
TR	286	1853	0.08	0.15	43.6	D	44.2	D
Westbound								
L	613	3419	0.60	0.18	46.9	D		
TR	672	1853	0.12	0.36	25.5	C	43.2	D
Northbound								
L	161	1761	0.55	0.09	56.2	E		
T	2207	4904	0.56	0.45	24.7	C	26.8	C
R	709	1575	0.00	0.45	18.2	B		
Southbound								
L	161	1761	0.20	0.09	51.1	D		
T	2207	4904	0.67	0.45	26.8	C	27.3	C
R	709	1575	0.00	0.45	18.2	B		
Intersection Delay = 29.5 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 309/Airport
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/09/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 13 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 309/Airport Rd N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	2	1	0	1	3	1	1	3	1
LGConfig	L	TR		L	TR		L	T	R	L	T	R
Volume	60	100	40	320	30	120	100	1700	50	90	1350	50
Lane Width	10.0	12.0		12.0	12.0		12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			40			120			50			50

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru	A	A			Thru		A	
Right	A	A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	17.0	15.0			10.0	55.0		
Yellow	4.0	4.0			4.0	5.0		
All Red	1.0	2.0			1.0	2.0		

Cycle Length: 120.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	175	1273	0.38	0.14	48.5	D		
TR	241	1756	0.46	0.14	49.0	D	48.8	D
Westbound								
L	499	3239	0.71	0.15	53.0	D		
TR	563	1756	0.06	0.32	28.3	C	50.9	D
Northbound								
L	153	1668	0.73	0.09	68.8	E		
T	2284	4646	0.83	0.49	28.8	C	31.0	C
R	734	1493	0.00	0.49	15.5	B		
Southbound								
L	153	1668	0.65	0.09	62.3	E		
T	2284	4646	0.66	0.49	23.6	C	26.0	C
R	734	1493	0.00	0.49	15.5	B		
Intersection Delay = 31.7 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ Dutchmans Lane
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 07/27/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2004
 Project ID: Site 19 - Existing Conditions Intersection Analysis
 E/W St: Dutchmans Lane N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	0	0	1	1	1	2	1	2	2	1
LGConfig	L	TR			LT	R	L	T	R	L	T	R
Volume	69	36	14	28	94	199	41	802	18	115	704	77
Lane Width	10.0	12.0			12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			14			199			18			77

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		14.0	12.0			10.0	50.0	
Yellow		4.0	4.0			4.0	5.0	
All Red		2.0	2.0			1.0	2.0	

Cycle Length: 110.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	440	3023	0.16	0.15	41.3	D		
TR	255	1756	0.15	0.15	41.3	D	41.3	D
Westbound								
LT	221	1736	0.57	0.13	48.8	D	48.8	D
R	177	1393	0.00	0.13	41.9	D		
Northbound								
L	167	1668	0.26	0.10	46.5	D		
T	1609	3248	0.52	0.50	19.1	B	20.5	C
R	740	1493	0.00	0.50	14.0	B		
Southbound								
L	324	3239	0.37	0.10	47.0	D		
T	1609	3248	0.46	0.50	18.3	B	22.3	C
R	740	1493	0.00	0.50	14.0	B		
Intersection Delay = 24.3 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ Dutchmans Lane
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/10/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2004
 Project ID: Site 19 - Existing Proposed Conditions Intersection Analysis
 E/W St: Dutchmans Lane N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	0	0	1	1	1	2	1	2	2	1
LGConfig	L	TR			LT	R	L	T	R	L	T	R
Volume	180	108	66	23	46	114	14	1203	21	297	1251	30
Lane Width	10.0	12.0			12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			66			114			21			30

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	10.0			15.0	55.0	
Yellow		4.0	4.0			4.0	5.0	
All Red		2.0	2.0			1.0	2.0	
								Cycle Length: 119.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	432	3023	0.43	0.14	47.3	D		
TR	251	1756	0.44	0.14	47.9	D	47.5	D
Westbound								
LT	174	1727	0.41	0.10	51.7	D	51.7	D
R	140	1393	0.00	0.10	48.1	D		
Northbound								
L	224	1668	0.06	0.13	45.1	D		
T	1624	3248	0.76	0.50	26.3	C	26.5	C
R	747	1493	0.00	0.50	14.9	B		
Southbound								
L	435	3239	0.70	0.13	54.3	D		
T	1624	3248	0.79	0.50	27.5	C	32.6	C
R	747	1493	0.00	0.50	14.9	B		
Intersection Delay = 32.0 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ Dutchmans Lane
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/28/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 19 - Future Proposed Conditions Intersection Analysis
 E/W St: Dutchmans Lane N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	0	0	1	1	1	2	1	2	2	1
LGConfig	L	TR			LT	R	L	T	R	L	T	R
Volume	70	40	20	40	100	260	50	970	20	150	850	80
Lane Width	10.0	12.0			12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			20			260			20			80

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	20.0			10.0	60.0	
Yellow		4.0	4.0			4.0	5.0	
All Red		2.0	2.0			1.0	2.0	
								Cycle Length: 129.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	421	3191	0.17	0.13	50.0	D		
TR	244	1853	0.17	0.13	50.1	D	50.0	D
Westbound								
LT	312	1827	0.47	0.17	49.3	D	49.3	D
R	251	1470	0.00	0.17	44.4	D		
Northbound								
L	150	1761	0.35	0.09	57.0	E		
T	1714	3428	0.59	0.50	23.4	C	25.0	C
R	788	1575	0.00	0.50	16.1	B		
Southbound								
L	292	3419	0.53	0.09	58.5	E		
T	1714	3428	0.52	0.50	22.0	C	27.5	C
R	788	1575	0.00	0.50	16.1	B		
Intersection Delay = 28.8 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ Dutchmans Lane
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/28/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 19 - Future Proposed Conditions Intersection Analysis
 E/W St: Dutchmans Lane N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	2	1	0	0	1	1	1	2	1	2	2	1
LGConfig	L	TR			LT	R	L	T	R	L	T	R
Volume	190	140	70	30	50	150	20	1450	30	380	1500	30
Lane Width	10.0	12.0			12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			70			150			30			30

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		13.0	10.0			16.0	64.0	
Yellow		4.0	4.0			4.0	5.0	
All Red		2.0	2.0			1.0	2.0	
Cycle Length: 127.0								secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	377	3191	0.52	0.12	53.9	D		
TR	219	1853	0.66	0.12	60.6	E	56.7	E
Westbound								
LT	172	1819	0.48	0.09	56.7	E	56.7	E
R	139	1470	0.00	0.09	52.1	D		
Northbound								
L	236	1761	0.09	0.13	48.4	D		
T	1849	3428	0.81	0.54	26.7	C	27.0	C
R	850	1575	0.00	0.54	13.5	B		
Southbound								
L	458	3419	0.86	0.13	68.5	E		
T	1849	3428	0.84	0.54	28.1	C	36.3	D
R	850	1575	0.00	0.54	13.5	B		
Intersection Delay = 34.9 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 404
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/14/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2004
 Project ID: Site 27 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 404 (Queen Annes Hwy) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	1	1	1	1	3	1	2	3	1
LGConfig	LTR			L	T	R	L	T	R	L	T	R
Volume	1	8	12	13	18	498	4	923	13	324	1014	2
Lane Width	10.0			10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol	12			498			13			2		

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left		A			SB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	20.0				20.0	75.0		
Yellow	4.0				4.0	6.0		
All Red	2.0				2.0	3.0		
Cycle Length: 136.0 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
LTR	250	1621	0.04	0.15	49.0	D	49.0	D
Westbound								
L	213	1316	0.06	0.16	48.4	D		
T	265	1639	0.07	0.16	48.5	D	48.4	D
R	225	1393	0.00	0.16	47.8	D		
Northbound								
L	270	1668	0.01	0.16	47.9	D		
T	2716	4646	0.35	0.58	14.8	B	15.0	B
R	873	1493	0.00	0.58	11.7	B		
Southbound								
L	524	3239	0.64	0.16	55.9	E		
T	2716	4646	0.38	0.58	15.2	B	25.1	C
R	873	1493	0.00	0.58	11.7	B		
Intersection Delay = 21.4 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 404
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/11/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2004
 Project ID: Site 27 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 404 (Queen Annes Hwy) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	1	1	1	1	3	1	2	3	1
LGConfig	LTR			L	T	R	L	T	R	L	T	R
Volume	2	36	10	27	35	608	2	1464	17	680	1352	10
Lane Width	10.0			10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol	10			608			17			10		

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	15.0				30.0		80.0	
Yellow	4.0				4.0		6.0	
All Red	2.0				2.0		3.0	
Cycle Length: 146.0 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
LTR	188	1712	0.22	0.11	59.9	E	59.9	E
Westbound								
L	149	1277	0.20	0.12	59.0	E		
T	201	1730	0.19	0.12	58.8	E	58.9	E
R	171	1470	0.00	0.12	57.0	E		
Northbound								
L	386	1761	0.01	0.22	44.6	D		
T	2838	4904	0.57	0.58	19.7	B	19.7	B
R	912	1575	0.00	0.58	13.0	B		
Southbound								
L	749	3419	1.01	0.22	92.2	F		
T	2838	4904	0.53	0.58	18.9	B	43.4	D
R	912	1575	0.00	0.58	13.0	B		
Intersection Delay = 34.2 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 404
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/28/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 27 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 404 (Queen Annes Hwy) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	1	1	2	1	3	1	3	3	1
LGConfig	LTR			L	T	R	L	T	R	L	T	R
Volume	10	20	20	5	15	640	10	1135	5	420	1260	20
Lane Width	10.0			10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol	20			640			5			20		

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	20.0				30.0	110.0		
Yellow	4.0				4.0	6.0		
All Red	2.0				2.0	3.0		
Cycle Length: 181.0 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
LTR	185	1596	0.17	0.12	72.6	E	72.6	E
Westbound								
L	160	1313	0.03	0.12	70.2	E		
T	210	1730	0.07	0.12	70.6	E	70.5	E
R	316	2603	0.00	0.12	69.8	E		
Northbound								
L	311	1761	0.03	0.18	61.7	E		
T	3102	4904	0.38	0.63	16.1	B	16.5	B
R	996	1575	0.00	0.63	12.2	B		
Southbound								
L	848	4796	0.51	0.18	67.9	E		
T	3102	4904	0.42	0.63	16.7	B	29.5	C
R	996	1575	0.00	0.63	12.2	B		
Intersection Delay = 25.1 (sec/veh) Intersection LOS = C								

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 404
 Agency: Wallace Montgomery & Assoc Area Type: All other areas
 Date: 11/10/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 27 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 404 (Queen Annes Hwy) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	1	1	2	1	3	1	3	3	1
LGConfig	LTR			L	T	R	L	T	R	L	T	R
Volume	20	80	20	10	50	780	5	1810	5	870	1640	80
Lane Width	12.0			10.0	12.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol	20			780			5			80		

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru	A				Thru		A	
Right	A				Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	14.0				30.0		55.0	
Yellow	4.0				4.0		6.0	
All Red	2.0				2.0		3.0	
Cycle Length: 120.0 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
LTR	215	1718	0.52	0.13	51.3	D	51.3	D
Westbound								
L	121	908	0.09	0.13	45.9	D		
T	247	1853	0.23	0.13	46.9	D	46.8	D
R	347	2603	0.00	0.13	45.1	D		
Northbound								
L	470	1761	0.01	0.27	32.4	C		
T	2432	4904	0.83	0.50	28.3	C	28.4	C
R	781	1575	0.00	0.50	15.3	B		
Southbound								
L	1279	4796	0.76	0.27	43.1	D		
T	2432	4904	0.75	0.50	25.6	C	31.6	C
R	781	1575	0.00	0.50	15.3	B		
Intersection Delay = 31.0 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 328
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/14/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2004
 Project ID: Site 33 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 328 (Matthewstown Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	1	3	1	2	3	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	62	128	64	251	210	199	135	815	88	158	949	71
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			64			199			88			71

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
WB Left		A			SB Left	A		
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	15.0			10.0	50.0	
Yellow		4.5	4.5			4.0	4.0	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 112.5 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	354	1585	0.19	0.33	26.9	C		
T	452	3176	0.31	0.14	43.7	D	38.2	D
R	202	1418	0.00	0.14	41.4	D		
Westbound								
L	383	1585	0.70	0.33	36.5	D		
T	452	3176	0.50	0.14	45.4	D	40.6	D
R	202	1418	0.00	0.14	41.4	D		
Northbound								
L	155	1585	0.94	0.10	103.8	F		
T	2079	4414	0.42	0.47	19.8	B	31.7	C
R	668	1418	0.00	0.47	15.7	B		
Southbound								
L	301	3077	0.56	0.10	50.9	D		
T	2079	4414	0.49	0.47	20.6	C	25.0	C
R	668	1418	0.00	0.47	15.7	B		
Intersection Delay = 30.9 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 328
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/14/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2004
 Project ID: Site 33 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 328 (Matthewstown Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	1	3	1	2	3	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	71	328	206	147	205	260	63	1158	216	233	1096	75
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			206			260			216			75

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left		A	A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	15.0			10.0	45.0	
Yellow		4.5	4.5			4.0	4.0	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 107.5 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	378	1585	0.20	0.34	24.7	C		
T	473	3176	0.73	0.15	49.3	D	44.9	D
R	211	1418	0.00	0.15	38.9	D		
Westbound								
L	327	1585	0.47	0.34	27.3	C		
T	473	3176	0.46	0.15	42.5	D	36.1	D
R	211	1418	0.00	0.15	38.9	D		
Northbound								
L	162	1585	0.41	0.10	46.9	D		
T	1971	4414	0.62	0.45	23.3	C	24.6	C
R	633	1418	0.00	0.45	16.5	B		
Southbound								
L	315	3077	0.78	0.10	58.8	E		
T	1971	4414	0.59	0.45	22.7	C	29.1	C
R	633	1418	0.00	0.45	16.5	B		
Intersection Delay = 30.1 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 328
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/28/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 33 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 328 (Matthewstown Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	1	3	1	2	3	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	70	140	70	260	240	220	150	930	90	180	1080	80
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			70			220			90			80

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left		A			SB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		10.0	15.0			10.0	50.0	
Yellow		4.5	4.5			4.0	4.0	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 107.5 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	287	1585	0.26	0.30	28.6	C		
T	473	3176	0.32	0.15	41.3	D	37.1	D
R	211	1418	0.00	0.15	38.9	D		
Westbound								
L	325	1585	0.86	0.30	57.4	E		
T	473	3176	0.55	0.15	43.7	D	50.8	D
R	211	1418	0.00	0.15	38.9	D		
Northbound								
L	162	1585	0.99	0.10	117.0	F		
T	2176	4414	0.46	0.49	18.0	B	31.7	C
R	699	1418	0.00	0.49	13.8	B		
Southbound								
L	315	3077	0.62	0.10	49.8	D		
T	2176	4414	0.53	0.49	19.0	B	23.4	C
R	699	1418	0.00	0.49	13.8	B		
Intersection Delay = 31.8 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 328
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/28/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 33 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 328 (Matthewstown Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	1	3	1	2	3	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	80	360	230	160	220	290	70	1320	230	250	1250	90
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			230			290			230			90

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
WB Left		A			SB Left	A		
Thru					Thru		A	
Right					Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		10.0	15.0			10.0	45.0	
Yellow		4.5	4.5			4.0	4.0	
All Red		1.5	1.5			1.0	1.5	
Cycle Length: 102.5 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	315	1585	0.27	0.31	26.3	C		
T	496	3176	0.76	0.16	48.4	D	44.4	D
R	221	1418	0.00	0.16	36.5	D		
Westbound								
L	258	1585	0.65	0.31	33.5	C		
T	496	3176	0.47	0.16	40.1	D	37.3	D
R	221	1418	0.00	0.16	36.5	D		
Northbound								
L	170	1585	0.44	0.11	44.6	D		
T	2067	4414	0.67	0.47	22.0	C	23.2	C
R	664	1418	0.00	0.47	14.5	B		
Southbound								
L	330	3077	0.80	0.11	57.5	E		
T	2067	4414	0.64	0.47	21.3	C	27.3	C
R	664	1418	0.00	0.47	14.5	B		
Intersection Delay = 28.8 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 331
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/14/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2004
 Project ID: Site 34 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 331 (Dover Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	3	3	1	2	4	1	2	4	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	93	124	18	500	482	228	98	1299	147	101	1148	68
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			18			228			147			68

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left			A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		10.0	25.0			10.0	60.0	
Yellow		4.0	4.0			4.0	4.5	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 127.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	150	1585	0.67	0.09	66.3	E		
T	300	3176	0.44	0.09	55.4	E	60.1	E
R	134	1418	0.00	0.09	52.1	D		
Westbound								
L	918	4317	0.59	0.21	46.0	D		
T	966	4544	0.54	0.21	45.0	D	45.5	D
R	301	1418	0.00	0.21	39.4	D		
Northbound								
L	267	3077	0.39	0.09	55.8	E		
T	2919	5885	0.48	0.50	21.3	C	23.7	C
R	703	1418	0.00	0.50	16.1	B		
Southbound								
L	267	3077	0.41	0.09	55.9	E		
T	2919	5885	0.42	0.50	20.5	C	23.4	C
R	703	1418	0.00	0.50	16.1	B		
Intersection Delay = 31.2 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 331
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/14/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2004
 Project ID: Site 34 - Existing Proposed Conditions Intersection Analysis
 E/W St: MD 331 (Dover Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1		1	3	3	1	2	4	0	2	4	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Volume	186	349	59	510	302	114	174	1632	353	236	1216	93
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		12.0	12.0	
RTOR Vol			59			114			353			93

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left	A				SB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green	19.0	15.0			10.0	40.0		
Yellow	3.0	4.0			4.0	4.5		
All Red	1.0	1.5			1.0	1.5		
Cycle Length: 104.5 secs								

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	319	1585	0.66	0.20	43.5	D		
T	517	3176	0.77	0.16	48.8	D	46.9	D
R	231	1418	0.00	0.16	36.6	D		
Westbound								
L	868	4317	0.67	0.20	40.5	D		
T	739	4544	0.46	0.16	40.1	D	40.4	D
R	231	1418	0.00	0.16	36.6	D		
Northbound								
L	324	3077	0.61	0.11	48.1	D		
TR	2422	5885	0.77	0.41	27.9	C	29.9	C
Southbound								
L	324	3077	0.83	0.11	61.9	E		
TR	2422	5885	0.57	0.41	24.0	C	30.1	C

Intersection Delay = 33.8 (sec/veh) Intersection LOS = C

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 331
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/28/2005 Jurisd: Talbot County
 Period: AM Peak Year : 2015
 Project ID: Site 34 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 331 (Dover Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	3	3	1	2	4	1	2	4	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	100	140	20	560	520	230	130	1460	170	100	1300	70
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			20			230			170			70

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left		A	A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	25.0			10.0	65.0	
Yellow		4.0	4.0			4.0	4.5	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 137.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	283	1585	0.38	0.35	33.1	C		
T	626	3176	0.24	0.20	46.6	D	40.9	D
R	279	1418	0.00	0.20	44.2	D		
Westbound								
L	862	4317	0.70	0.35	36.6	D		
T	896	4544	0.62	0.20	51.7	D	43.9	D
R	279	1418	0.00	0.20	44.2	D		
Northbound								
L	247	3077	0.57	0.08	63.7	E		
T	2921	5885	0.54	0.50	23.9	C	27.2	C
R	704	1418	0.00	0.50	17.4	B		
Southbound								
L	247	3077	0.44	0.08	61.3	E		
T	2921	5885	0.48	0.50	22.9	C	25.7	C
R	704	1418	0.00	0.50	17.4	B		
Intersection Delay = 31.6 (sec/veh)					Intersection LOS = C			

HCS2000: Signalized Intersections Release 4.1e

Analyst: John Rectanus Inter.: US 50 @ MD 331
 Agency: Wallace Montgomery & Assoc Area Type: CBD or Similar
 Date: 11/28/2005 Jurisd: Talbot County
 Period: PM Peak Year : 2015
 Project ID: Site 34 - Future Proposed Conditions Intersection Analysis
 E/W St: MD 331 (Dover Road) N/S St: US 50

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	3	3	1	2	4	1	2	4	1
LGConfig	L	T	R	L	T	R	L	T	R	L	T	R
Volume	200	390	80	570	320	110	230	1830	400	240	1390	100
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
RTOR Vol			80			110			400			100

Duration 0.25 Area Type: CBD or Similar

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left		A			NB Left	A		
Thru		A			Thru		A	
Right		A			Right		A	
Peds					Peds			
WB Left		A	A		SB Left	A		
Thru			A		Thru		A	
Right			A		Right		A	
Peds					Peds			
NB Right					EB Right			
SB Right					WB Right			
Green		15.0	15.0			10.0	50.0	
Yellow		4.0				4.0	4.5	
All Red		1.5	1.5			1.0	1.5	

Cycle Length: 112.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios		Lane Group		Approach	
			v/c	g/C	Delay	LOS	Delay	LOS
Eastbound								
L	342	1585	0.66	0.33	34.1	C		
T	482	3176	0.92	0.15	69.6	E	57.6	E
R	215	1418	0.00	0.15	40.3	D		
Westbound								
L	1266	4317	0.51	0.33	30.5	C		
T	690	4544	0.53	0.15	44.6	D	35.5	D
R	215	1418	0.00	0.15	40.3	D		
Northbound								
L	302	3077	0.86	0.10	71.8	E		
T	2785	5885	0.75	0.47	25.2	C	30.4	C
R	671	1418	0.00	0.47	15.5	B		
Southbound								
L	302	3077	0.90	0.10	78.7	E		
T	2785	5885	0.57	0.47	21.5	C	29.9	C
R	671	1418	0.00	0.47	15.5	B		
Intersection Delay = 34.2 (sec/veh)					Intersection LOS = C			