

DEVELOPMENT OPTION I

LEVEL OF SERVICE SUMMARY

MONTGOMERY MASTER PLAN ROADS
MONTGOMERY TOWNSHIP, SOMERSET COUNTY
MRA Job N° 01-158

2013 FUTURE FULL BUILD OUT

DEVELOPMENT OPTION 1

ROUTE 518 & ROUTE 206

		AM PSH		PM PSH	
		<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB ROUTE 518	THRU	18.8s	B	21.5s	C
WB ROUTE 518	THRU-RIGHT	23.5s	C	19.0s	B
NB ROUTE 206	THRU-RIGHT	21.5s	C	40.1s	D
SB ROUTE 206	THRU	42.3s	D	27.3s	C
INTERSECTION	OVERALL	29.0s	C	28.5s	C

MASTER PLAN ROAD / PRINCETON NORTH SHOPPING CENTER & ROUTE 206

		AM PSH		PM PSH	
		<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB MASTER PLAN ROAD	LEFT	36.2s	D	44.4s	D
	THRU	35.0s	C	26.8s	C
	RIGHT	13.1s	B	35.0s	D
	APPROACH	17.3s	B	36.9s	D
WB SHOPPING CENTER	LEFT	41.0s	D	29.4s	C
	THRU-RIGHT	39.4s	D	29.4s	C
	APPROACH	40.2s	D	29.4s	C
NB ROUTE 206	LEFT	29.4s	C	45.7s	D
	THRU-RIGHT	4.2s	A	10.0s	B
	APPROACH	14.1s	B	21.2s	C
SB ROUTE 206	LEFT	22.9s	C	27.3s	C
	THRU	39.4s	D	24.9s	C
	RIGHT	18.2s	B	20.6s	C
	APPROACH	37.8s	D	24.4s	C
INTERSECTION	OVERALL	26.1s	C	26.3s	C

ROUTE 518 & MASTER PLAN ROAD / ORCHARD ROAD CONNECTOR

		AM PSH		PM PSH	
		<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB ROUTE 518	LEFT	27.9s	C	50.4s	D
	THRU	32.1s	C	29.2s	C
	RIGHT	15.6s	B	8.1s	A
	APPROACH	29.6s	C	33.7s	C
WB ROUTE 518	LEFT	38.5s	D	40.0s	D
	THRU-RIGHT	8.8s	A	18.8s	B
	APPROACH	32.4s	C	20.6s	C
NB MASTER PLAN ROAD	LEFT	42.7s	D	45.0s	D
	THRU	20.8s	C	16.2s	B
	RIGHT	7.4s	A	9.7s	A
	APPROACH	36.2s	D	30.9s	C
SB ORCHARD ROAD CONNECTOR	LEFT	33.5s	C	50.6s	D
	THRU-RIGHT	42.9s	D	32.2s	C
	APPROACH	41.2s	D	41.7s	D
INTERSECTION	OVERALL	33.8s	C	30.0s	C

LOS = level of service
s = average control delay per vehicle in seconds

<u>LOS</u>	<u>DELAY</u>
A	≤ 10.0s
B	>10.0s and ≤ 20.0s
C	>20.0s and ≤ 35.0s
D	>35.0s and ≤ 55.0s
E	>55.0s and ≤ 80.0s
F	≥ 80.0s