

DEVELOPMENT OPTION III

LEVEL OF SERVICE SUMMARY

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

2013 FUTURE FULL BUILD OUT

DEVELOPMENT OPTION 3

ROUTE 518 & ROUTE 206

		AM PSH		PM PSH	
		<u>DELAY</u>	<u>LOS</u>	<u>DELAY</u>	<u>LOS</u>
EB ROUTE 518	THRU	18.7s	B	33.2s	C
WB ROUTE 518	THRU-RIGHT	41.8s	D	18.9s	B
NB ROUTE 206	THRU-RIGHT	21.5s	C	40.1s	D
SB ROUTE 206	THRU	42.3s	D	27.3s	C
INTERSECTION	OVERALL	34.4s	C	31.4s	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	38.0s	D
	THRU	35.0s	C	25.3s	C
	RIGHT	13.1s	B	65.2s	E
	APPROACH	17.4s	B	60.1s	E
WB SHOPPING CENTER	LEFT	41.0s	D	27.6s	C
	THRU-RIGHT	39.4s	D	27.6s	C
	APPROACH	40.2s	D	27.6s	C
NB ROUTE 206	LEFT	40.2s	D	38.3s	D
	THRU-RIGHT	4.2s	A	11.3s	B
	APPROACH	22.0s	C	19.6s	B
SB ROUTE 206	LEFT	22.9s	C	32.7s	C
	THRU	39.4s	D	29.5s	C
	RIGHT	18.2s	B	23.9s	C
	APPROACH	37.8s	D	28.8s	C
INTERSECTION	OVERALL	28.3s	C	34.5s	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	35.3s	D	75.7s	E
	THRU	45.9s	D	39.2s	D
	RIGHT	21.8s	C	8.1s	A
	APPROACH	39.0s	D	45.8s	D
WB ROUTE 518	LEFT	62.0s	E	39.8s	D
	THRU-RIGHT	8.8s	A	21.9s	C
	APPROACH	55.3s	E	23.2s	C
NB MASTER PLAN ROAD	LEFT	42.0s	D	74.7s	E
	THRU	20.8s	C	15.5s	B
	RIGHT	5.1s	A	10.6s	B
	APPROACH	36.7s	D	42.8s	D
SB ORCHARD ROAD CONNECTOR	LEFT	33.5s	C	76.4s	E
	THRU-RIGHT	81.6s	F	32.1s	C
	APPROACH	74.8s	E	55.8s	E
INTERSECTION	OVERALL	53.3s	D	40.6s	D

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