

DEVELOPMENT OPTION IV

LEVEL OF SERVICE SUMMARY

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

2013 FUTURE FULL BUILD OUT

DEVELOPMENT OPTION 4

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	45.1s	D
WB ROUTE 518	THRU-RIGHT	69.4s	E	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	44.0s	D	35.3s	D

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	93.9s	F
	APPROACH	17.3s	B	84.2s	F
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	52.0s	D	38.8s	D
	THRU-RIGHT	4.2s	A	11.3s	B
	APPROACH	29.0s	C	19.9s	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	31.9s	C	42.9s	D

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	50.4s	D
	THRU	45.9s	D	32.6s	C
	RIGHT	23.1s	C	8.1	A
	APPROACH	38.2s	D	35.6	D
WB ROUTE 518	LEFT	110.0s	F	40.0s	D
	THRU-RIGHT	8.8s	A	18.8s	B
	APPROACH	98.5s	F	20.6s	C
NB MASTER PLAN ROAD	LEFT	42.7s	D	213.5	F
	THRU	20.9s	C	19.4	B
	RIGHT	5.1s	A	15.6	B
	APPROACH	35.2s	D	110.4	F
SB ORCHARD ROAD CONNECTOR	LEFT	33.6s	C	88.7	F
	THRU-RIGHT	135.8s	F	32.2	C
	APPROACH	122.8s	F	61.4	E
INTERSECTION	OVERALL	80.3s	F	73.8	E

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